



April 4, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: CIRCLE K STORE 05426
8510 GRAVENSTEIN HIGHWAY
COTATI, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Circle K Store 05426, located at 8510 Gravenstein Highway, Cotati, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan
QMS Operations Manager

CC: Mr. Thomas Potter, Secor International, Inc. (3 copies)

Enclosures
20-0400/05426R06.QMS



**QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005**

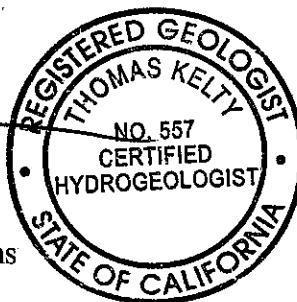
Circle K Store 05426
8510 Gravenstein Highway
Cotati, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:


Senior Project Geologist, Irvine Operations
March 28, 2005



LIST OF ATTACHMENTS

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Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statement	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January 2005 through March 2005
Circle K Store 05426
8510 Gravenstein Highway
Cotati, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-588-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **02/07/05**

Sample Points

Groundwater wells: **5** onsite, **1** offsite

Wells gauged: **6** Wells sampled: **6**

Purging method: **Diaphragm pump**

Purge water disposal: **Onyx/Rodeo Unit 100**

Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a** Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **8.12 feet** Maximum: **9.99 feet**

Average groundwater elevation (relative to available local datum): **94.04 feet**

Average change in groundwater elevation since previous event: **1.03 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.01 ft/ft, northeast**

Previous event: **0.01 ft/ft, northeast (11/12/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **3** Wells above MCL (1.0 µg/l): **3**

Maximum reported benzene concentration: **390 µg/l (MW-2)**

Wells with **TPPH 8260B** **5** Maximum: **4,700 µg/l (MW-7)**

Wells with **MTBE** **6** Maximum: **250 µg/l (MW-7)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethylene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (D_p x LPH Thickness), where D_p is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 05426 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 7, 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 02/07/05	102.98	9.36	0.00	93.62	1.36	--	2500	390	4.3	17	100	--	--	65
MW-6 02/07/05	104.25	9.60	0.00	94.65	1.38	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	27
MW-7 02/07/05	103.82	9.99	0.00	93.83	0.87	--	4700	57	ND<0.50	63	31	--	--	250
MW-8 02/07/05	103.20	9.44	0.00	93.76	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	85
MW-9 02/07/05	102.64	8.12	0.00	94.52	1.34	--	1200	ND<0.50	ND<0.50	2.6	ND<1.0	--	--	7.0
OW 02/07/05	103.78	9.90	0.00	93.88	-0.25	--	1100	93	4.2	5.3	21	--	--	120

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

MW-2	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
10/07/91	--	--	--	--	--	--	--	--	60	70	18	110	--	--	--
09/01/93	--	--	--	--	--	270	--	65	22	13	40	--	--	--	--
12/30/95	--	--	--	--	--	1300	--	450	6	20	25	--	--	--	--
01/29/96	102.99	5.50	--	97.49	--	--	--	--	--	--	--	--	--	--	--
12/18/96	102.99	8.01	--	94.98	-2.51	1700	--	410	48	73	180	25	--	--	--
04/17/97	102.99	12.78	--	90.21	-4.77	2100	--	400	34	95	180	ND	--	--	--
06/20/97	102.98	9.88	--	93.10	2.89	2300	--	550	9	82	110	ND	--	--	--
09/03/97	102.98	10.92	--	92.06	-1.04	1500	--	490	17	64	100	42	--	--	--
10/01/97	102.98	11.21	--	91.77	-0.29	--	--	--	--	--	--	--	--	--	--
12/02/97	102.98	8.11	--	94.87	3.10	2900	--	1100	41	150	270	ND	--	--	--
09/02/98	102.98	9.65	--	93.33	-1.54	1100	--	260	15.3	37.4	86.2	26.8	--	--	--
02/04/99	102.98	6.89	--	96.09	2.76	800	--	150	ND	48	25	130	--	--	--
05/04/99	102.98	7.14	--	95.84	-0.25	1200	--	140	ND	20	14	220	--	--	--
08/05/99	102.98	10.52	--	92.46	-3.38	720	--	160	ND	28	52	96	--	--	--
11/18/99	102.98	10.91	--	92.07	-0.39	990	--	330	9.9	46	100	33	--	--	--
02/18/00	102.98	7.48	--	95.50	3.43	850	--	150	2	11	17	25	--	--	--
05/18/00	102.98	9.66	--	93.32	-2.18	ND	--	ND	ND	ND	ND	ND	--	--	--
08/17/00	102.98	11.58	--	91.40	-1.92	4370	--	2000	ND	ND	32.2	ND	--	--	--
11/14/00	102.98	11.90	--	91.08	-0.32	2100	--	1100	9.1	67	100	46	--	--	--
02/20/01	102.98	9.25	0.00	93.73	2.65	ND	--	ND	ND	ND	ND	ND	--	--	--
05/04/01	102.98	10.58	0.00	92.40	-1.33	1100	--	630	3.5	20	27	38	--	--	--
08/20/01	102.98	12.25	0.00	90.73	-1.67	4100	--	2000	ND<20	28	47	ND<100	--	--	--
11/19/01	102.98	11.25	0.00	91.73	1.00	2400	--	890	ND<10	21	23	ND<100	--	--	--
02/19/02	102.98	9.61	0.00	93.37	1.64	160	--	31	ND<0.50	1.5	1.2	7.1	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
05/23/02	102.98	10.67	--	92.31	-1.06	2700	--	970	ND<10	34	33	ND<100	--	
08/21/02	102.98	12.17	--	90.81	-1.50	3000	--	1400	13	18	57	89	--	
11/19/02	102.98	11.28	--	91.70	0.89	490	--	77	ND<5.0	ND<5.0	13	--		
02/12/03	102.98	9.32	--	93.66	1.96	54	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.5	--	
05/14/03	102.98	9.28	--	93.70	0.04	ND<50	--	0.98	ND<0.50	ND<0.50	ND<0.50	10	--	
08/13/03	102.98	11.58	0.00	91.40	-2.30	--	680	160	4.1	5.7	19	--	30	
11/13/03	102.98	12.10	0.00	90.88	-0.52	--	1100	160	ND<2.5	3.0	ND<5.0	--	420	
02/12/04	102.98	9.64	0.00	93.34	2.46	--	860	280	ND<2.5	9.8	33	--	220	
05/14/04	102.98	10.93	0.00	92.05	-1.29	--	1700	350	3.3	7.9	47	--	390	
08/17/04	102.98	11.89	0.00	91.09	-0.96	--	710	77	1.3	3.5	6.4	--	88	
11/12/04	102.98	10.72	0.00	92.26	1.17	--	1100	200	1.5	14	27	--	92	
02/07/05	102.98	9.36	0.00	93.62	1.36	--	2500	390	4.3	17	100	--	65	
MW-6														
01/29/96	104.26	6.74	--	97.52	--	300	--	ND	ND	ND	0.6	ND	--	
12/18/96	104.26	8.91	0.00	95.35	-2.17	290	--	9	0.53	ND	ND	46	--	
04/17/97	104.25	9.11	0.00	95.14	-0.21	340	--	ND	ND	ND	ND	4	--	
06/20/97	104.25	10.89	--	93.36	-1.78	230	--	ND	ND	ND	ND	14	--	
09/03/97	104.25	12.27	--	91.98	-1.38	170	--	3.4	ND	ND	ND	13	--	
10/01/97	104.25	12.64	--	91.61	-0.37	--	--	--	--	--	--	--	--	
12/02/97	104.25	8.84	--	95.41	3.80	230	--	5.5	0.96	ND	ND	160	--	
09/02/98	104.25	10.87	--	93.38	-2.03	375	--	ND	ND	ND	ND	32.4	--	
02/04/99	104.25	7.88	--	96.37	2.99	220	--	3	0.52	ND	ND	83	--	
05/04/99	104.25	7.96	--	96.29	-0.08	180	--	3.4	0.78	ND	2.6	53	--	
08/05/99	104.25	11.47	--	92.78	-3.51	61	--	5.2	0.77	ND	1.7	29	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
11/18/99	104.25	12.40	-	91.85	-0.93	350	--	7.2	0.54	ND	ND	28	--	
02/18/00	104.25	7.57	-	96.68	4.83	110	--	6.8	ND	ND	ND	29	--	
05/18/00	104.25	10.35	-	93.90	-2.78	136	--	ND	ND	ND	ND	9.35	--	
08/17/00	104.25	12.51	-	91.74	-2.16	ND	--	ND	ND	ND	ND	10.3	--	
11/14/00	104.25	12.96	-	91.29	-0.45	210	--	3.4	ND	ND	ND	0.61	91	--
02/20/01	104.25	9.11	0.00	95.14	3.85	237	--	1.49	ND	ND	ND	ND	24.9	--
05/04/01	104.25	11.34	0.00	92.91	-2.23	210	--	18	ND	ND	ND	0.75	24	--
08/20/01	104.25	12.38	0.00	91.87	-1.04	87	--	1.0	0.57	ND<0.50	ND<0.50	2.0	19	--
11/19/01	104.25	11.88	0.00	92.37	0.50	87	--	10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21	--
02/19/02	104.25	9.81	0.00	94.44	2.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
05/23/02	104.25	11.31	-	92.94	-1.50	ND<50	--	0.62	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/21/02	104.25	13.39	-	90.86	-2.08	ND<50	--	5.7	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
11/19/02	104.25	11.67	-	92.58	1.72	ND<1000	--	ND<10	ND<10	ND<10	ND<10	15	--	
02/12/03	104.25	9.81	-	94.44	1.86	80	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	--	
05/14/03	104.25	9.37	-	94.88	0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
08/13/03	104.25	12.51	0.00	91.74	-3.14	--	91	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	5.9	
11/13/03	104.25	13.34	0.00	90.91	-0.83	--	270	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	68	
02/12/04	104.25	10.07	0.00	94.18	3.27	--	170	0.53	2.8	0.73	3.9	--	26	
05/14/04	104.25	11.62	0.00	92.63	-1.55	--	110	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	16	
08/17/04	104.25	12.88	0.00	91.37	-1.26	--	150	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	22	
11/12/04	104.25	10.98	0.00	93.27	1.90	--	380	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	54	
02/07/05	104.25	9.60	0.00	94.65	1.38	--	140	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	27	
MW-7														
01/29/96	103.83	6.71	--	97.12	--	8900	--	1800	ND	700	450	1300	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
12/18/96	103.83	8.88	-	94.95	-2.17	8900	-	1800	22	370	240	6400	6400	--
04/17/97	103.83	9.06	0.00	94.77	-0.18	ND	-	1700	ND	590	570	25000	25000	29000
D 04/17/97	103.83	9.06	0.00	94.77	0.00	ND	-	1800	ND	640	610	28000	28000	--
06/20/97	103.82	10.56	-	93.26	-1.51	14000	-	2400	ND	440	440	25000	25000	--
D 06/20/97	103.82	10.56	-	93.26	0.00	ND	-	2500	ND	490	490	23000	23000	--
09/03/97	103.82	11.68	-	92.14	-1.12	12000	-	4000	ND	510	260	12000	12000	--
10/01/97	103.82	11.96	-	91.86	-0.28	-	-	-	-	-	-	--	--	--
12/02/97	103.82	8.82	-	95.00	3.14	8900	-	2500	ND	500	320	14000	14000	--
09/02/98	103.82	10.41	-	93.41	-1.59	ND	-	ND	ND	ND	ND	ND	ND	--
02/04/99	103.82	7.86	-	95.96	2.55	13000	-	1500	190	710	660	28000	28000	--
05/04/99	103.82	8.28	-	95.54	-0.42	14000	-	1600	ND	1000	1200	22000	22000	--
08/05/99	103.82	11.16	-	92.66	-2.88	7800	-	1200	ND	720	610	14000	14000	--
11/18/99	103.82	11.72	-	92.10	-0.56	8300	-	1400	ND	570	390	12000	12000	--
02/18/00	103.82	7.68	-	96.14	4.04	7200	-	890	ND	680	590	10000	10000	--
05/18/00	103.82	10.13	-	93.69	-2.45	5250	-	386	ND	436	239	4710	4710	3950
08/17/00	103.82	12.07	-	91.75	-1.94	4290	-	309	ND	124	38	3050	3050	--
11/14/00	103.82	12.59	-	91.23	-0.52	6500	-	690	ND	550	210	3500	3500	--
02/20/01	103.82	9.64	0.00	94.18	2.95	5760	-	350	ND	190	74	3410	3410	--
05/04/01	103.82	10.93	0.00	92.89	-1.29	4700	-	420	34	510	310	3000	3000	--
08/20/01	103.82	12.74	0.00	91.08	-1.81	4500	-	320	ND<5.0	70	31	2400	2400	--
11/19/01	103.82	11.66	0.00	92.16	1.08	4700	-	360	ND<5.0	120	43	2800	2800	--
02/19/02	103.82	9.51	0.00	94.31	2.15	4700	-	220	ND<5.0	320	170	1600	1600	--
05/23/02	103.82	10.74	-	93.08	-1.23	3000	-	140	ND<5.0	37	9.7	1000	1000	--
08/21/02	103.82	12.82	-	91.00	-2.08	3100	-	260	ND<10	210	65	950	950	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
11/19/02	103.82	11.15	--	92.67	1.67	4700	--	93	ND<50	89	41	2100	--	
02/12/03	103.82	9.11	--	94.71	2.04	5500	--	170	ND<50	280	160	2900	--	
05/14/03	103.82	9.03	--	94.79	0.08	3600	--	98	ND<5.0	76	26	610	--	
08/13/03	103.82	12.05	0.00	91.77	-3.02	--	3300	72	ND<10	17	ND<20	--	970	
11/13/03	103.82	12.50	0.00	91.32	-0.45	--	4200	140	ND<5.0	84	23	--	550	
02/12/04	103.82	10.26	0.00	93.56	2.24	--	4500	89	ND<5.0	200	70	--	580	
05/14/04	103.82	11.12	0.00	92.70	-0.86	--	5800	77	ND<5.0	90	24	--	700	
08/17/04	103.82	12.39	0.00	91.43	-1.27	--	3200	49	ND<1.0	17	4.8	--	220	
11/12/04	103.82	10.86	0.00	92.96	1.53	--	4000	46	ND<1.0	71	25	--	300	
02/07/05	103.82	9.99	0.00	93.83	0.87	--	4700	57	ND<0.50	63	31	--	250	
MW-8														
01/29/96	103.21	5.59	--	97.62	--	ND	--	ND	ND	ND	ND	ND	ND	--
12/18/96	103.21	8.05	--	95.16	-2.46	ND	--	ND	ND	ND	ND	ND	ND	--
04/17/97	103.21	8.81	0.00	94.40	-0.76	ND	--	ND	ND	ND	ND	ND	ND	--
06/20/97	103.20	10.03	--	93.17	-1.23	ND	--	ND	ND	ND	ND	ND	6	--
09/03/97	103.20	11.18	--	92.02	-1.15	ND	--	ND	ND	ND	ND	ND	ND	--
10/01/97	103.20	11.50	--	91.70	-0.32	--	--	--	--	--	--	--	--	--
12/02/97	103.20	8.11	--	95.09	3.39	ND	--	ND	ND	ND	ND	ND	13	--
09/02/98	103.20	9.86	--	93.34	-1.75	ND	--	ND	ND	ND	ND	ND	1220	--
02/04/99	103.20	6.82	--	96.38	3.04	ND	--	9.6	ND	ND	ND	ND	1100	--
05/04/99	103.20	7.08	--	96.12	-0.26	ND	--	ND	ND	ND	ND	ND	1000	--
08/05/99	103.20	10.64	--	92.56	-3.56	ND	--	ND	ND	ND	ND	ND	790	--
11/18/99	103.20	11.13	--	92.07	-0.49	ND	--	ND	ND	ND	ND	ND	870	--
02/18/00	103.20	7.60	--	95.60	3.53	ND	--	ND	ND	ND	ND	ND	580	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8 continued														
05/18/00	103.20	9.85	--	93.35	-2.25	ND	--	ND	ND	ND	ND	ND	604	--
08/17/00	103.20	11.80	--	91.40	-1.95	ND	--	ND	ND	ND	ND	ND	517	--
11/14/00	103.20	12.06	--	91.14	-0.26	ND	--	ND	ND	ND	ND	ND	360	--
02/20/01	103.20	9.35	0.00	93.85	2.71	ND	--	ND	ND	ND	ND	ND	264	--
05/04/01	103.20	10.80	--	92.40	-1.45	ND	--	ND	ND	ND	ND	ND	380	--
08/20/01	103.20	12.46	0.00	90.74	-1.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	230	--
11/19/01	103.20	11.45	0.00	91.75	1.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	--
02/19/02	103.20	9.68	0.00	93.52	1.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	--
05/23/02	103.20	10.85	--	92.35	-1.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	--
08/21/02	103.20	12.38	--	90.82	-1.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	--
11/19/02	103.20	11.66	--	91.54	0.72	110	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	--
02/12/03	103.20	9.67	--	93.53	1.99	68	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	--
05/14/03	103.20	9.41	--	93.79	0.26	52	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	68	--
08/13/03	103.20	11.26	0.00	91.94	-1.85	--	83	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	--
11/13/03	103.20	12.38	0.00	90.82	-1.12	--	99	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	--
02/12/04	103.20	9.74	0.00	93.46	2.64	--	53	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	--
05/14/04	103.20	11.12	0.00	92.08	-1.38	--	76	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	99	--
08/17/04	103.20	12.21	0.00	90.99	-1.09	--	130	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND>0.50	110	--
11/12/04	103.20	10.94	0.00	92.26	1.27	--	95	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND>0.50	110	--
02/07/05	103.20	9.44	0.00	93.76	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	85	--
MW-9														
06/20/97	102.64	9.80	--	92.84	--	5300	--	32	ND	370	210	380	--	
09/03/97	102.64	--	--	--	--	--	--	--	--	--	--	--	--	
10/01/97	102.64	11.30	--	91.34	--	5200	--	77	41	730	130	390	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-9 continued														
12/02/97	102.64	8.04	--	94.60	3.26	1700	--	53	ND	110	42	450	--	
09/02/98	102.64	9.38	--	93.26	-1.34	1820	--	ND	ND	ND	ND	5900	--	
02/04/99	102.64	7.73	--	94.91	1.65	1800	--	20	ND	58	40	5700	--	
05/04/99	102.64	7.32	--	95.32	0.41	870	--	15	0.8	36	25	6200	--	
08/05/99	102.64	10.01	--	92.63	-2.69	ND	--	13	ND	27	25	5900	--	
11/18/99	102.64	10.72	--	91.92	-0.71	ND	--	61	ND	ND	18	6400	--	
02/18/00	102.64	6.54	--	96.10	4.18	820	--	29	1.1	39	29	9900	--	
05/18/00	102.64	8.46	--	94.18	-1.92	541	--	ND	ND	ND	11.8	ND	7200	--
08/17/00	102.64	10.70	--	91.94	-2.24	511	--	27.9	ND	ND	ND	4790	--	
11/14/00	102.64	11.61	--	91.03	-0.91	ND	--	21	ND	ND	ND	6700	--	
02/20/01	102.64	8.30	0.00	94.34	3.31	1360	--	18.7	1.59	25.8	9.08	7150	--	
05/04/01	102.64	9.67	0.00	92.97	-1.37	770	--	35	5.5	27	42	3400	--	
08/20/01	102.64	11.61	0.00	91.03	-1.94	450	--	6.0	ND<2.5	ND<2.5	ND<2.5	3500	--	
11/19/01	102.64	10.68	0.00	91.96	0.93	1300	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	5300	--	
02/19/02	102.64	8.81	0.00	93.83	1.87	890	--	ND<5.0	ND<5.0	7.1	ND<5.0	2100	--	
05/23/02	102.64	9.65	--	92.99	-0.84	820	--	32	ND<2.0	4.7	ND<2.0	1200	--	
08/21/02	102.64	11.64	--	91.00	-1.99	290	--	4.4	ND<0.50	ND<0.50	ND<0.50	1100	1900	
11/19/02	102.64	9.65	--	92.99	1.99	2600	--	17	ND<50	ND<50	ND<50	1100	--	
02/12/03	102.64	8.77	--	93.87	0.88	1700	--	73	0.91	140	65	1100	--	
05/14/03	102.64	8.68	--	93.96	0.09	2500	--	66	ND<5.0	51	17	480	--	
08/13/03	102.64	11.63	0.00	91.01	-2.95	--	1400	50	ND<10	11	ND<20	--	660	
11/13/03	102.64	10.71	0.00	91.93	0.92	--	1800	ND<2.5	ND<2.5	9.5	8.3	--	330	
02/12/04	102.64	8.87	0.00	93.77	1.84	--	1400	0.51	3.0	8.6	7.5	--	46	
05/14/04	102.64	9.15	0.00	93.49	-0.28	--	1100	ND<0.50	ND<0.50	5.8	2.3	--	26	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-9 continued														
08/17/04	102.64	10.44	0.00	92.20	-1.29	--	960	ND<0.50	ND<0.50	1.1	ND<1.0	--	24	
11/12/04	102.64	9.46	0.00	93.18	0.98	--	1600	ND<0.50	ND<0.50	2.9	ND<1.0	--	14	
02/07/05	102.64	8.12	0.00	94.52	1.34	--	1200	ND<0.50	ND<0.50	2.6	ND<1.0	--	7.0	
OW														
12/30/95	--	--	--	--	--	210	--	8	10	ND	4	--	--	
01/29/96	103.83	6.17	--	97.66	--	--	--	--	--	--	--	--	--	
12/18/96	103.83	8.38	--	95.45	-2.21	--	--	--	--	--	--	--	--	
04/17/97	103.83	--	--	--	--	--	--	--	--	--	--	--	--	
06/20/97	103.78	--	--	--	--	--	--	--	--	--	--	--	--	
09/03/97	103.78	11.55	--	92.23	--	ND	--	3.4	ND	ND	ND	5000	--	
10/01/97	103.78	11.83	--	91.95	-0.28	--	--	--	--	--	--	--	--	
12/02/97	103.78	7.30	--	96.48	4.53	ND	--	ND	ND	ND	ND	570	--	
09/02/98	103.78	9.48	--	94.30	-2.18	ND	--	ND	39	ND	ND	2200	--	
02/04/99	103.78	7.18	--	96.60	2.30	ND	--	ND	ND	ND	ND	320	--	
05/04/99	103.78	7.56	--	96.22	-0.38	ND	--	ND	ND	ND	ND	200	--	
08/05/99	103.78	10.02	--	93.76	-2.46	ND	--	ND	14	ND	ND	610	--	
11/18/99	103.78	10.80	--	92.98	-0.78	ND	--	2.8	4.7	ND	ND	340	--	
02/18/00	103.78	5.68	--	98.10	5.12	ND	--	ND	ND	ND	ND	ND	--	
05/18/00	103.78	9.84	--	93.94	-4.16	164	--	ND	69.2	ND	ND	ND	--	
08/17/00	103.78	10.14	--	93.64	-0.30	374	--	ND	73.0	ND	ND	274	--	
11/14/00	103.78	11.26	--	92.52	-1.12	87	--	2.8	2	ND	1.3	1600	--	
02/20/01	103.78	7.76	0.00	96.02	3.50	ND	--	ND	ND	ND	ND	ND	--	
05/04/01	103.78	9.79	0.00	93.99	-2.03	ND	--	ND	2.3	ND	ND	440	--	
08/20/01	103.78	10.03	0.00	93.75	-0.24	ND<50	--	ND<0.50	2.8	ND<0.50	ND<0.50	100	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through February 2005
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
OW continued														
11/19/01	103.78	9.55	0.00	94.23	0.48	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<5.0	—	—	—
02/19/02	103.78	7.43	0.00	96.35	2.12	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<5.0	—	—	—
05/23/02	103.78	8.74	—	95.04	-1.31	ND<50	—	1.2	ND<0.50	ND<0.50	ND<5.0	—	—	—
08/21/02	103.78	12.82	—	90.96	-4.08	ND<50	—	ND<0.50	1.2	ND<0.50	ND<0.50	ND<2.5	—	—
11/19/02	103.78	11.39	—	92.39	1.43	ND<10000	—	ND<100	ND<100	ND<100	ND<500	—	—	—
02/12/03	103.78	9.48	—	94.30	1.91	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<2.0	—	—	—
05/14/03	103.78	9.34	—	94.44	0.14	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<2.0	—	—	—
08/13/03	103.78	10.43	0.00	93.35	-1.09	—	82	0.71	ND<0.50	ND<1.0	—	8.6	—	—
11/13/03	103.78	13.60	0.00	90.18	-3.17	—	3700	39	ND<25	ND<50	—	5700	—	—
02/12/04	103.78	10.25	0.00	93.53	3.35	—	1000	57	26	17	33	—	440	—
05/14/04	103.78	10.90	0.00	92.88	-0.65	—	1100	48	3.4	8.9	34	—	180	—
08/17/04	103.78	12.55	0.00	91.23	-1.65	—	2900	350	100	16	220	—	140	—
11/12/04	103.78	9.65	0.00	94.13	2.90	—	290	0.86	ND<0.50	ND<0.50	2.3	—	ND<0.50	—
02/07/05	103.78	9.90	0.00	93.88	-0.25	—	1100	93	4.2	5.3	21	—	120	—

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead 8260B	TAME 8260B	DIPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	(µg/l)	(mg/l)			(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-2												
12/30/95	300	700	-	-	0.013	-	-	-	0.11	-	0.11	ND
12/18/96	260	-	-	-	-	-	-	-	-	-	-	-
04/17/97	590	-	-	-	-	-	-	-	-	-	-	-
06/20/97	480	-	-	-	-	-	-	-	-	-	-	-
09/03/97	180	-	-	-	-	-	-	-	-	-	-	-
12/02/97	350	-	-	-	-	-	-	-	-	-	-	-
09/02/98	343	-	-	-	-	-	-	-	-	-	-	-
02/04/99	74	-	-	-	-	-	-	-	-	-	-	-
05/04/99	170	-	-	-	-	-	-	-	-	-	-	-
08/05/99	310	-	-	-	-	-	-	-	-	-	-	-
11/18/99	340	-	-	-	-	-	-	-	-	-	-	-
02/18/00	380	-	-	-	-	-	-	-	-	-	-	-
05/18/00	55.6	-	-	-	-	-	-	-	-	-	-	-
08/17/00	522	-	-	-	-	-	-	-	-	-	-	-
11/14/00	570	-	-	-	-	-	-	-	-	-	-	-
02/20/01	62.3	-	-	-	-	-	-	-	-	-	-	-
05/04/01	95	-	-	-	-	-	-	-	-	-	-	-
08/20/01	450	-	-	-	-	-	-	-	-	-	-	-
11/19/01	410	-	-	-	-	-	-	-	-	-	-	-
02/19/02	110	-	-	-	-	-	-	-	-	-	-	-
05/23/02	360	-	-	-	-	-	-	-	-	-	-	-
08/21/02	440	-	-	-	-	-	-	-	-	-	-	-
11/19/02	140	-	-	-	-	-	-	-	-	-	-	-
02/12/03	100	-	-	-	-	-	-	-	-	-	-	-
05/14/03	67	-	-	-	-	-	-	-	-	-	-	-
08/13/03	210	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead 8260B	TAME 8260B	DIPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	(mg/l)						
MW-2 continued												
11/13/03	190	-	-	-	-	-	-	-	-	-	-	-
02/12/04	300	-	-	-	-	-	-	-	-	-	-	-
05/14/04	250	-	-	-	-	-	-	-	-	-	-	-
08/17/04	230	-	-	-	-	-	-	-	-	-	-	-
11/12/04	200	-	-	-	-	-	-	-	-	-	-	-
02/07/05	310	-	-	-	-	-	-	-	-	-	-	-
MW-6												
01/29/96	69	800	-	-	0.006	-	-	-	0.06	-	0.07	ND
12/18/96	ND	-	-	-	-	-	-	-	-	-	-	-
04/17/97	85	-	-	-	-	-	-	-	-	-	-	-
06/20/97	100	-	-	-	-	-	-	-	-	-	-	-
09/03/97	ND	-	-	-	-	-	-	-	-	-	-	-
12/02/97	68	-	-	-	-	-	-	-	-	-	-	-
09/02/98	126	-	-	-	-	-	-	-	-	-	-	-
02/04/99	ND	-	-	-	-	-	-	-	-	-	-	-
05/04/99	70	-	-	-	-	-	-	-	-	-	-	-
08/05/99	98	-	-	-	-	-	-	-	-	-	-	-
11/18/99	ND	-	-	-	-	-	-	-	-	-	-	-
02/18/00	ND	-	-	-	-	-	-	-	-	-	-	-
05/18/00	101	-	-	-	-	-	-	-	-	-	-	-
08/17/00	106	-	-	-	-	-	-	-	-	-	-	-
11/14/00	170	-	-	-	-	-	-	-	-	-	-	-
02/20/01	123	-	-	-	-	-	-	-	-	-	-	-
05/04/01	62	-	-	-	-	-	-	-	-	-	-	-
08/20/01	76	-	-	-	-	-	-	-	-	-	-	-
11/19/01	87	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead 8260B	TAME 8260B	DIPE 8260B	ETBE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	
	(µg/l)	(mg/l)			(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	
MW-6 continued														
02/19/02	210	-	-	-	-	-	-	-	-	-	-	-	-	-
05/23/02	220	-	-	-	-	-	-	-	-	-	-	-	-	-
11/19/02	130	-	-	-	-	-	-	-	-	-	-	-	-	-
02/12/03	110	-	-	-	-	-	-	-	-	-	-	-	-	-
05/14/03	94	-	-	-	-	-	-	-	-	-	-	-	-	-
08/13/03	230	-	-	-	-	-	-	-	-	-	-	-	-	-
11/13/03	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
02/12/04	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
05/14/04	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/04	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
11/12/04	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
02/07/05	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7														
01/29/96	3200	4900	-	-	0.004	-	-	-	-	0.04	-	ND	ND	0.03
12/18/96	1000	-	-	-	-	-	-	-	-	-	-	-	-	-
D 04/17/97	3100	-	-	-	-	-	-	-	-	-	-	-	-	-
04/17/97	3100	-	-	-	-	-	-	-	-	-	-	-	-	-
D 06/20/97	2100	-	-	-	-	-	-	-	-	-	-	-	-	-
06/20/97	1900	-	-	-	-	-	-	-	-	-	-	-	-	-
09/03/97	970	-	-	-	-	-	-	-	-	-	-	-	-	-
12/02/97	1200	-	-	-	-	-	-	-	-	-	-	-	-	-
09/02/98	1490	-	-	-	-	-	-	-	-	-	-	-	-	-
02/04/99	1100	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/99	1700	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/99	2200	-	-	-	-	-	-	-	-	-	-	-	-	-
11/18/99	1700	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	DPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)		($\mu\text{g/l}$)	(mg/l)	(mg/l)	(mg/l)					
MW-7 continued												
02/18/00	1200	-	-	-	-	-	-	-	-	-	-	-
05/18/00	993	-	ND	ND	-	-	-	-	-	-	-	-
08/17/00	1080	-	-	-	-	-	-	-	-	-	-	-
11/14/00	2000	-	-	-	-	-	-	-	-	-	-	-
02/20/01	752	-	-	-	-	-	-	-	-	-	-	-
05/04/01	1100	-	-	-	-	-	-	-	-	-	-	-
08/20/01	480	-	-	-	-	-	-	-	-	-	-	-
11/19/01	420	-	-	-	-	-	-	-	-	-	-	-
02/19/02	700	-	-	-	-	-	-	-	-	-	-	-
05/23/02	530	-	-	-	-	-	-	-	-	-	-	-
08/21/02	1200	-	-	-	-	-	-	-	-	-	-	-
11/19/02	390	-	-	-	-	-	-	-	-	-	-	-
02/12/03	640	-	-	-	-	-	-	-	-	-	-	-
05/14/03	590	-	-	-	-	-	-	-	-	-	-	-
08/13/03	580	-	-	-	-	-	-	-	-	-	-	-
11/13/03	450	-	-	-	-	-	-	-	-	-	-	-
02/12/04	520	-	-	-	-	-	-	-	-	-	-	-
05/14/04	570	-	-	-	-	-	-	-	-	-	-	-
08/17/04	180	-	-	-	-	-	-	-	-	-	-	-
11/12/04	480	-	-	-	-	-	-	-	-	-	-	-
02/07/05	460	-	-	-	-	-	-	-	-	-	-	-
MW-8												
01/29/96	ND	600	-	-	0.005	-	-	-	0.05	-	0.06	ND
12/18/96	ND	-	-	-	-	-	-	-	-	-	-	-
04/17/97	ND	-	-	-	-	-	-	-	-	-	-	-
06/20/97	ND	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	TBA	DIPE	ETBE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	
	($\mu\text{g/l}$)	(mg/l)		($\mu\text{g/l}$)	(mg/l)		($\mu\text{g/l}$)	(mg/l)							
MW-8 continued															
09/03/97	ND														
12/02/97	ND														
09/02/98	ND														
02/04/99	ND														
05/04/99	ND														
08/05/99	62														
11/18/99	68														
02/18/00	ND														
05/18/00	60														
08/17/00	ND														
11/14/00	76														
02/20/01	ND														
05/04/01	ND														
08/20/01	ND<50														
11/19/01	ND<51														
02/19/02	ND<50														
05/23/02	59														
08/21/02	ND<50														
11/19/02	ND<50														
02/12/03	ND<50														
05/14/03	ND<50														
08/13/03	ND<50														
11/13/03	ND<50														
02/12/04	ND<50														
05/14/04	ND<50														
08/17/04	ND<50														

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store #5426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	DYPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-8 continued												
11/12/04	ND<50	-	-	-	-	-	-	-	-	-	-	-
02/07/05	ND<50	-	-	-	-	-	-	-	-	-	-	-
MW-9												
06/20/97	700	-	-	-	-	-	-	-	-	-	-	-
10/01/97	1100	-	-	-	-	-	-	-	-	-	-	-
12/02/97	190	-	-	-	-	-	-	-	-	-	-	-
09/02/98	241	-	-	-	-	-	-	-	-	-	-	-
02/04/99	150	-	-	-	-	-	-	-	-	-	-	-
05/04/99	180	-	-	-	-	-	-	-	-	-	-	-
08/05/99	480	-	-	-	-	-	-	-	-	-	-	-
11/1/8/99	360	-	-	-	-	-	-	-	-	-	-	-
02/18/00	250	-	-	-	-	-	-	-	-	-	-	-
05/18/00	193	-	-	-	-	-	-	-	-	-	-	-
08/17/00	225	-	-	-	-	-	-	-	-	-	-	-
11/14/00	230	-	-	-	-	-	-	-	-	-	-	-
02/20/01	195	-	-	-	-	-	-	-	-	-	-	-
05/04/01	67	-	-	-	-	-	-	-	-	-	-	-
08/20/01	140	-	-	-	-	-	-	-	-	-	-	-
11/19/01	110	-	-	-	-	-	-	-	-	-	-	-
02/19/02	120	-	-	-	-	-	-	-	-	-	-	-
05/23/02	150	-	-	-	-	-	-	-	-	-	-	ND>2500
08/21/02	860	-	ND<10	ND<10	-	16	ND<100	ND<10	-	-	-	-
11/19/02	120	-	-	-	-	-	-	-	-	-	-	-
02/12/03	430	-	-	-	-	-	-	-	-	-	-	-
05/14/03	400	-	-	-	-	-	-	-	-	-	-	-
08/13/03	180	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	TBA	DIPE	ETBE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-9 continued														
11/13/03	81	-	-	-	-	-	-	-	-	-	-	-	-	-
02/12/04	150	-	-	-	-	-	-	-	-	-	-	-	-	-
05/14/04	99	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/04	55	-	-	-	-	-	-	-	-	-	-	-	-	-
11/12/04	61	-	-	-	-	-	-	-	-	-	-	-	-	-
02/07/05	73	-	-	-	-	-	-	-	-	-	-	-	-	-
OW														
12/30/95	ND	5200	-	-	0.01	-	-	-	-	-	31	-	ND	0.01
09/03/97	400	-	-	-	-	-	-	-	-	-	-	-	-	-
12/02/97	500	-	-	-	-	-	-	-	-	-	-	-	-	-
09/02/98	646	-	-	-	-	-	-	-	-	-	-	-	-	-
02/04/99	250	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/99	1800	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/99	2000	-	-	-	-	-	-	-	-	-	-	-	-	-
11/18/99	2200	-	-	-	-	-	-	-	-	-	-	-	-	-
02/18/00	840	-	-	-	-	-	-	-	-	-	-	-	-	-
05/18/00	1500	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/00	3170	-	-	-	-	-	-	-	-	-	-	-	-	-
11/14/00	610	-	-	-	-	-	-	-	-	-	-	-	-	-
02/20/01	444	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/01	410	-	-	-	-	-	-	-	-	-	-	-	-	-
08/20/01	1600	-	-	-	-	-	-	-	-	-	-	-	-	-
11/19/01	910	-	-	-	-	-	-	-	-	-	-	-	-	-
02/19/02	490	-	-	-	-	-	-	-	-	-	-	-	-	-
05/23/02	120	-	-	-	-	-	-	-	-	-	-	-	-	-
08/21/02	1400	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead 8260B	TAME 8260B	DIPE 8260B	Zinc	Ethanol 8260B	Cadmium	Nickel	Chromium
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
OW continued												
11/19/02	960	-	-	-	-	-	-	-	-	-	-	-
02/12/03	2100	-	-	-	-	-	-	-	-	-	-	-
05/14/03	220	-	-	-	-	-	-	-	-	-	-	-
08/13/03	60	-	-	-	-	-	-	-	-	-	-	-
11/13/03	170	-	-	-	-	-	-	-	-	-	-	-
02/12/04	250	-	-	-	-	-	-	-	-	-	-	-
05/14/04	150	-	-	-	-	-	-	-	-	-	-	-
08/17/04	150	-	-	-	-	-	-	-	-	-	-	-
11/12/04	230	-	-	-	-	-	-	-	-	-	-	-
02/07/05	150	-	-	-	-	-	-	-	-	-	-	-

COORDINATED EVENT DATA

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylenbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
AS-1	11/19/2001	--	102.43	12.41	90.02	30,000	--	9,600	ND<100	470	210	490	--	
	2/19/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	102.43	12.30	90.13	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	102.43	--	--	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2003	--	102.43	--	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	102.43	12.20	90.23	--	--	--	--	--	--	--	--	Not Sampled
	11/13/2003	P	102.43	12.79	89.64	18,000	--	8,100	26	150	41	600	1.2	
	02/12/2004	--	102.43	11.82	90.61	--	--	--	--	--	--	--	--	h Not Sampled
	05/14/2004	--	102.43	11.35	91.08	--	--	--	--	--	--	--	--	Not Sampled
	08/17/2004	--	102.43	12.27	90.16	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	P	102.43	11.92	90.51	17,000	J	6,100	J	<50	230	75	670	J 0.6
	02/07/2005	--	102.43	--	--	--	--	--	--	--	--	--	--	Not Sampled
MW-1A	3/26/1996	--	102.47	6.33	96.14	96,000	--	12,000	ND<125	4,300	9,900	ND<625	--	
	6/26/1996	--	102.47	8.67	93.80	58,000	--	12,000	ND<100	5,900	3,600	ND<500	--	
	9/24/1996	--	102.47	10.14	92.33	54,000	--	11,000	ND<200	4,200	2,200	ND<1,000	--	
	12/15/1996	--	102.47	8.97	93.50	52,000	--	12,000	ND<250	5,100	3,300	ND<1,250	--	
	4/17/1997	NP	102.47	9.97	92.50	46,000	--	10,000	160	5,700	2,500	1,100	--	
	6/20/1997	NP	102.47	9.75	92.72	60,000	--	12,000	ND<100	6,600	2,600	980	--	
	9/4/1997	NP	102.47	10.78	91.69	57,000	--	13,000	ND<200	6,900	4,200	ND<1,200	--	
	12/2/1997	NP	102.47	9.61	92.86	61,000	--	12,000	ND<200	5,300	6,900	1,700	--	
	2/23/1998	NP	102.47	5.14	97.33	63,000	--	13,000	ND<200	5,800	4,000	1,400	--	
	5/29/1998	NP	102.47	8.18	94.29	63,000	--	10,000	ND<200	5,600	3,000	ND<1,200	--	
	9/2/1998	NP	102.47	9.71	92.76	52,000	--	9,900	ND<100	6,300	1,500	2,600	--	
	11/20/1998	NP	102.47	10.58	91.89	69,000	--	11,000	ND<100	5,700	3,400	ND<600	--	
	2/4/1999	NP	102.47	8.75	93.72	52,000	--	10,000	ND<100	5,200	2,200	710	--	
	5/4/1999	NP	102.47	8.12	94.35	42,000	--	11,000	66	6,500	1,200	1,300	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	8/5/1999	NP	102.47	10.41	92.06	37,000	--	8,900	90	5,300	4,500	1,000	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	NP	102.47	11.12	91.35	28,000	--	11,000	44	7,000	700	420	--	
	2/18/2000	NP	102.47	8.70	93.77	44,000	--	10,000	45	4,300	600	1,000	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylenbenzene (ug/L)	Total Xylenes (ug/L)	MtBE (ug/L)	DO (mg/L)	Comments
MW-1A	6/20/2000	NP	102.47	10.49	91.98	43,000	--	11,000	70	5,500	920	620	--	
	8/17/2000	NP	102.47	12.40	90.07	46,000	--	10,000	38	5,700	1,500	630	--	
11/14/2000	NP	102.47	11.93	90.54	37,000	--	9,550	ND<125	5,390	975	ND<1,250	—		
2/20/2001	NP	102.47	9.59	92.88	40,500	--	10,300	ND<100	4,770	1,360	1,080	—		
5/4/2001	NP	102.47	10.46	92.01	42,700	--	9,060	ND<100	4,750	1,640	ND<1,000	—		
8/20/2001	NP	102.47	12.03	90.44	37,000a	--	8,800	ND<200	5,000	1,900	ND<100	—		
11/19/2001	NP	102.47	11.55	90.92	46,000	--	7,200	64	4,500	1,300	1,100	—		
2/19/2002	NP	102.47	9.95	92.52	30,000	--	8,400	ND<100	3,600	1,300	670	—		
6/20/2002	-	102.47	11.07	91.40	44,000	--	10,000	130	6,100	2,100	680	—		
8/21/2002	NP	102.47	11.90	90.57	24,000	--	7,900	ND<100	4,700	1,200	ND<500	—		
11/19/2002	NP	102.47	11.06	91.41	29,000	--	7,500	350	3,100	1,400	2,900 (500) d	—		
02/12/2003	NP	102.47	9.51	92.96	22,000	--	6,600	<50	1,800	340	950	—		
05/14/2003	NP	102.47	9.70	92.77	19,000	--	6,400	65	2,000	430	670 J	1.3		
08/13/2003	NP	102.47	11.42	91.05	39,000	--	8,100	<250	3,400	380	840	0.7		
11/13/2003	NP	102.47	12.09	90.38	19,000	--	7,000	<100	1,200	110	600	0.8		
02/12/2004	NP	102.47	9.95	92.52	18,000	--	5,200	<120	1,200	180	430	1.0 h		
05/14/2004	NP	102.47	10.61	91.86	26,000	--	6,500	<250	2,700	280	480	1.0		
08/17/2004	NP	102.47	11.55	90.92	21,000	--	6,900	<120	2,800	210	430	1.2		
11/12/2004	NP	102.47	10.85	91.62	1,300	--	6,100 J	<50	1,300	74	530 J	0.1		
02/07/2005	NP	102.47	9.76	92.71	18,000 J	--	5,000	21	1,100	63	360	0.7		
<hr/>														
MW-2	3/26/1996	--	101.43	7.31	94.12	390	--	45	ND<0.5	14	3.8	220	--	
	6/26/1996	--	101.43	8.73	92.70	200	--	ND<0.5	ND<0.5	ND<0.5	290	—		
	9/24/1996	--	101.43	9.81	91.62	830	--	ND<5.0	ND<5.0	6.1	6.6	640	—	
	12/15/1996	--	101.43	8.68	92.75	580	--	ND<2.5	ND<2.5	7.5	6.5	820	—	
	4/17/1997	NP	101.43	9.18	92.25	290	--	12	0.79	0.8	0.72	260	—	
	6/20/1997	NP	101.43	9.61	91.82	360	--	ND<2	ND<2	ND<2	360	—		
	9/4/1997	NP	101.43	10.63	90.80	510	--	7	ND<5	8	ND<5	740 (770)d	—	
	12/2/1997	NP	101.43	—	DRY	NS	--	NS	NS	NS	NS	NS	—	Not sampled, DRY
	2/23/1998	NP	101.43	5.19	96.24	420	--	24	1.6	18	17	800	—	
	5/29/1998	NP	101.43	8.03	93.40	ND<500	--	28	ND<5	7.3	5.8	1,000	—	
	9/21/1998	NP	101.43	9.80	91.63	ND<2,000	--	37	ND<20	ND<20	ND<20	1,900	—	
	11/20/1998	NP	101.43	10.10	91.33	ND<1,000	--	ND<10	ND<10	ND<10	ND<10	1,600	—	
	2/4/1999	--	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	—	Not sampled, DRY

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravestein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-2	5/4/1999	NP	101.43	8.15	93.28	140	--	0.7	ND<0.5	ND<0.5	91	--	--	
	8/5/1999	NP	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY
	11/18/1999	NP	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY
	2/18/2000	NP	101.43	7.82	93.61	660	--	25	0.6	4.5	10	590	--	
	6/20/2000	NP	101.43	9.93	91.50	460	--	9.4	ND<0.5	4.4	12	960	--	
	8/17/2000	NP	101.43	11.80	89.63	850	--	10.1	ND<1	1.22	3.13	1,090	--	
	11/14/2000	NP	101.43	11.24	90.19	538	--	3.92	ND<0.5	5.74	6.22	990	--	
	2/20/2001	NP	101.43	8.90	92.53	431	--	9.77	ND<2.5	13.1	8.12	1,220	--	
	5/4/2001	NP	101.43	9.90	91.53	734	--	1.9	1.9	1	ND<1.0	690	--	
	8/20/2001	NP	101.43	11.27	90.16	540a	--	8	ND<5.0	22	9	1,500	--	
	11/19/2001	NP	101.43	10.96	90.47	3,000	--	25	1.5	10	8.1	610	--	
	2/19/2002	NP	101.43	9.11	92.32	840	--	51	1.1	6.5	3.1	610	--	
	6/20/2002	--	101.43	10.10	91.33	1,300	--	51	ND<5	ND<5	6	670	--	
	8/21/2002	NP	101.43	11.06	90.37	2,300	--	1,500	38	640	180	840	--	
	11/19/2002	NP	101.43	10.59	90.84	8,300	--	<50	<50	<50	<50	490	--	
	02/12/2003	NP	101.43	8.96	92.47	<5,000	--	12 J	<1.0	5.7	2.6	600 J	0.9	
	05/14/2003	NP	101.43	9.14	92.29	930	--	<25	<25	31	<25	540	1.5	
	08/13/2003	NP	101.43	10.35	91.08	3,100	--	56	<25	7.0	<5.0	220	1.0 h	
	11/13/2003	NP	101.43	12.47	88.96	4,800	--	<50	<50	<50	<50	220	1.0	
	02/12/2004	NP	101.43	9.22	92.21	1,500	--	<25	<25	<25	<25	260	1.8	
	05/14/2004	NP	101.43	9.93	91.50	1,600	--	<50	<50	<50	<50	180	0.2	
	08/11/2004	NP	101.43	10.60	90.83	2,700	--	<12	<12	<12	<12	3	--	
	11/12/2004	NP	101.43	10.23	91.20	3,800	--	7.5	<5.0	11	6.9	78	0.6	
	02/07/2005	NP	101.43	9.25	92.18	1,800 J	--							
MW-3	3/26/1996	--	102.72	6.51	96.21	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	920	--	
	6/26/1996	--	102.72	8.58	94.14	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	84	--	
	9/24/1996	--	102.72	10.61	92.11	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.4	--	
	12/15/1996	--	102.72	8.58	94.14	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	4/17/1997	NP	102.72	9.02	93.70	ND<50	--	ND<0.5	3.4	ND<0.5	ND<0.5	ND<2.5	--	
	6/20/1997	NP	102.72	10.12	92.60	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/4/1997	NP	102.72	11.43	91.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	
	12/2/1997	NP	102.72	9.21	93.51	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	2/23/1998	NP	102.72	4.40	98.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethy- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-3	5/29/1998	NP	102.72	7.55	95.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<3	--	
	9/21/1998	NP	102.72	9.90	92.82	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<3	--	
	11/10/1998	NP	102.72	10.45	92.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<3	--	
	2/4/1999	NP	102.72	7.64	95.08	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	ND<3	--	
	5/4/1999	NP	102.72	7.75	94.97	ND<50	--	ND<0.5	2.8	ND<0.5	ND<3	ND<3	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	8/5/1999	NP	102.72	11.17	91.55	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.5	0.5	--
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	NP	102.72	11.38	91.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	
	2/18/2000	NP	102.72	8.70	94.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	
	6/20/2000	NP	102.72	11.00	91.72	ND<50	--	ND<0.5	1.2	ND<0.5	ND<1	ND<3	--	
	8/17/2000	NP	102.72	12.60	90.12	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	6	--	
	11/14/2000	NP	102.72	12.11	90.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<5	--	
	2/20/2001	NP	102.72	9.85	92.87	ND<50	--	ND<0.5	1.02	ND<0.5	ND<0.5	ND<2.5	--	
	5/4/2001	NP	102.72	10.76	91.96	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<5	--	
	8/20/2001	NP	102.72	12.25	90.47	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<5	15	--	
	11/19/2001	NP	102.72	11.81	90.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	--	
	2/19/2002	NP	102.72	10.24	92.48	ND<50	--	ND<0.50	0.74	ND<0.50	1.1	ND<0.50	--	
	6/20/2002	--	102.72	11.40	91.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	
	8/21/2002	NP	102.72	12.06	90.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	76	--	
	11/19/2002	NP	102.72	11.56	91.16	ND<50	--	5.5	ND<0.5	2.4	ND<0.5	32	--	
	2/12/2003	NP	102.72	10.07	92.65	<50	--	<0.50	<0.50	<0.50	<0.50	0.66	--	
	5/14/2003	NP	102.72	9.88	92.84	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	h
	8/8/2003	NP	102.72	11.75	90.97	66	--	<2.5	<2.5	<2.5	83	1.2	--	
	11/13/2003	NP	102.72	12.55	90.17	100 R	--	<5.0	<5.0	<5.0	<5.0	230	1.6	
	2/12/2004	NP	102.72	10.23	92.49	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	
	5/14/2004	NP	102.72	11.02	91.70	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	
	8/8/2004	NP	102.72	11.85	90.87	<50	--	<0.50	<0.50	<0.50	<0.50	30	2.1	
	11/12/2004	NP	102.72	11.13	91.59	<50 UJ	--	<0.50	3.0	<0.50	<0.50	120 J	2.5	
	2/20/2005	NP	102.72	9.93	92.79	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	
MW-4	3/26/1996	--	101.59	8.27	93.32	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	101.59	9.68	91.91	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	9/24/1996	--	101.59	11.22	90.37	NS	--	NS	NS	NS	NS	NS	--	Not sampled

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravestine Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MV-4	12/15/1996	--	101.59	9.92	91.67	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	4/17/1997	--	101.59	9.36	92.23	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/1997	--	101.59	9.75	91.84	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/4/1997	--	101.59	10.69	90.90	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/21/1997	--	101.59	9.17	92.42	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	101.59	5.88	95.71	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	32	--	
	5/29/1998	--	101.59	8.35	93.24	ND<500	--	ND<5	ND<5	ND<5	ND<5	310	--	
	9/2/1998	--	101.59	9.47	92.12	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/20/1998	--	101.59	10.29	91.30	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/4/1999	--	101.59	8.40	93.19	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/1999	--	101.59	8.63	92.96	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,600	--	
	8/5/1999	--	101.59	11.60	89.99	4,400	--	1,100	ND<25	37	35	110	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	Not sampled
	11/18/1999	--	101.59	10.52	91.07	ND<50	--	0.6	ND<0.5	ND<1	ND<1	140	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	3/21/2000	--	101.59	8.08f	--	71	--	ND<0.5	ND<0.5	ND<1	ND<1	ND<3	--	
	6/20/2000	--	101.59	9.87	91.72	ND<50	--	ND<0.5	0.6	ND<0.5	ND<1	61(71)d	--	Not sampled
	8/17/2000	9	101.59	NM	NM	NS	--	NS	NS	NS	NS	NS	--	
	11/14/2000	NP	101.59	11.37	90.22	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15.8	--	
	2/20/2001	NP	101.59	8.76	92.83	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	194	--	
	5/4/2001	NP	101.59	9.86	91.73	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--	
	8/20/2001	NP	101.59	11.30	90.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	19	--	
	11/19/2001	NP	101.59	11.00	90.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	88	--	
	2/19/2002	NP	101.59	9.29	92.30	110	--	ND<0.50	ND<0.50	0.51	0.51	230	--	
	6/20/2002	--	101.59	10.52	91.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	
	8/21/2002	NP	101.59	11.23	90.36	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	--	
	11/19/2002	NP	101.59	10.39	91.20	ND<50	--	0.52	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	02/12/2003	NP	101.59	8.34	93.25	240	--	<0.50	<0.50	<0.50	<0.50	220	--	
	05/14/2003	NP	101.59	9.27	92.32	200	--	<0.50	<0.50	<0.50	<0.50	700 J	0.9	
	08/13/2003	NP	101.59	10.80	90.79	<50	--	<0.50	<0.50	<0.50	<0.50	1.2	2.1	
	11/13/2003	NP	101.59	11.37	90.22	<50	--	<0.50	<0.50	<0.50	<0.50	12	3.1	
	02/12/2004	NP	101.59	9.30	92.29	<50	--	<0.50	<0.50	<0.50	<0.50	1.4	h	
	05/14/2004	NP	101.59	9.93	91.66	<50	--	<0.50	<0.50	<0.50	<0.50	2.5		

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Groundwater Elevation and Analytical Data
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8505 Gravestein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-4	08/11/2004	NP	101.59	10.90	90.69	<50	--	<0.50	<0.50	<0.50	<0.50	11	1.4	
	11/12/2004	NP	101.59	9.85	91.74	<50 UJ	--	<0.50 UJ	<0.50 UJ	<0.50	<0.50 UJ	0.81 J	2.6	
	02/07/2005	NP	101.59	9.28	92.31	<50	--	<0.50	<0.50	<0.50	<0.50	3.1	0.8	
MW-5	3/26/1996	--	101.8	8.24	93.56	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	6/26/1996	--	101.8	9.62	92.18	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	9/24/1996	--	101.8	11.16	90.64	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	12/15/1996	--	101.8	9.86	91.94	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	4/17/1997	--	101.8	9.27	92.53	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	6/20/1997	--	101.8	9.70	92.10	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26	--	
	9/4/1997	--	101.8	10.38	91.42	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	12/2/1997	--	101.8	NM	NM	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	2/23/1998	--	101.8	5.66	96.14	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	5/29/1998	--	101.8	8.12	93.68	ND<500	--	ND<5	ND<5	ND<5	ND<5	430	--	
	9/2/1998	--	101.8	9.35	92.45	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/1998	--	101.8	10.04	91.76	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	2/4/1999	--	101.8	8.28	93.52	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	5/4/1999	--	101.8	8.46	93.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4,800	--	
	8/5/1999	--	101.8	10.08	91.72	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	11/13/1999	--	101.8	10.06	91.74	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	2/18/2000	--	101.8	7.90	93.90	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	6/20/2000	--	101.8	9.73	92.07	ND<50	--	ND<0.5	1	ND<0.5	ND<1	860	--	
	8/17/2000	--	101.8	11.60	90.20	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	11/14/2000	--	101.8	11.08	90.72	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	2/20/2001	--	101.8	8.52	93.28	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	5/4/2001	NP	101.8	9.76	92.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,850	--	
	8/20/2001	--	101.8	11.08	90.72	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/2001	--	101.8	10.51	91.29	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	2/19/2002	--	101.8	9.08	92.72	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	6/20/2002	--	101.8	10.15	91.65	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	--	
	8/21/2002	NP	101.8	10.93	90.87	NS	--	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/2002	NP	101.8	--	--	--	--	--	--	--	--	--	--	Well inaccessible
	02/12/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well inaccessible
	05/14/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well inaccessible

Table 1

Groundwater Elevation and Analytical Data
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8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylenbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-5	08/13/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
	11/13/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
	02/12/2004	--	101.80	9.18	92.62	--	--	--	--	--	--	--	--	h
	05/14/2004 NP	101.80	9.73	92.07	100	--	<10	<10	<10	<10	<10	370	1.8	
	08/17/2004	--	101.80	11.12	90.68	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	--	101.80	9.50	92.30	--	--	--	--	--	--	--	--	Not Sampled
	02/07/2005	--	101.80	--	--	--	--	--	--	--	--	--	--	Not Sampled
MW-6	3/26/1996	--	103.53	8.16	95.37	3,900	--	750	ND<5.0	50	23	170	--	
	6/26/1996	--	103.53	9.89	93.64	5,000	--	1,500	ND<20	39	ND>20	260	120	--
	9/24/1996	--	103.53	11.43	92.10	1,900	--	170	3.7	28	12	120	--	
	12/15/1996	--	103.53	9.66	93.87	970	--	180	ND<2.5	12	ND<2.5	43	--	
	4/17/1997 NP	103.53	10.12	93.41	2,500	--	420	10	71	35	130	--	--	
	6/20/1997 NP	103.53	11.09	92.44	2,400	--	330	ND<5	26	13	66	--	--	
	9/4/1997 NP	103.53	12.00	91.53	2,100	--	320	ND<5	7	7	94	--	--	
	12/2/1997 NP	103.53	10.05	93.48	1,800	--	360	6	19	7	63	--	--	
	2/23/1998 NP	103.53	6.21	97.32	400	--	31	2.1	2	2.7	ND<0.5	--	--	
	5/29/1998 NP	103.53	8.95	94.58	940	--	61	2	5.7	3.9	59	--	--	
	9/2/1998 NP	103.53	10.85	92.68	1,500	--	170	5	3	10	96	--	--	
	11/20/1998 NP	103.53	11.55	91.98	1,900	--	270	3	ND<2.5	4	88	--	--	
	2/4/1999 NP	103.53	9.13	94.40	1,500	--	190	3.4	14	10	110	--	--	
	5/4/1999 NP	103.53	9.29	94.24	2,800	--	400	ND<5	57	28	140	--	--	
	8/5/1999 --	102.43	--	--	--	--	--	--	--	--	--	--	--	
	8/5/1999 NP	103.53	10.10	93.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	420	--	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999 NP	103.53	11.80	91.73	2,600	--	400	7.2	4.9	11	23	--	--	
	2/18/2000 NP	103.53	8.44	95.09	530	--	80	0.7	2.2	2	ND<3	--	--	
	6/20/2000 NP	103.53	11.41	92.12	490	--	70	1.2	2.4	2.4	840	--	--	
	8/17/2000 NP	103.53	13.38	90.15	2,200	--	440	2.9	6.3	7.8	440	--	--	
	11/14/2000 NP	103.53	12.85	90.68	2,950	--	746	ND<10	ND<10	ND<10	1,970(1,880)d	--	--	
	2/20/2001 NP	103.53	10.22	93.31	602	--	60	0.522	1.11	0.892	3,530(3,550)d	--	--	
	5/4/2001 NP	103.53	11.49	92.04	361	--	11.6	ND<0.5	0.776	ND<0.5	9,220(6,690)d	--	--	
	8/20/2001 NP	103.53	12.97	90.56	1,400b	--	50	ND<5.0	ND<5.0	ND<5.0	9,100c(8,8)d	--	--	
	11/19/2001 NP	103.53	12.21	91.32	590	--	24	0.81	2.2	1.5	500	--	--	

Report Date: March 18, 2005

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-6	2/19/2002	NP	103.53	10.74	92.79	140	--	ND<0.50	0.56	0.58	0.77	170	--	
	6/20/2002	--	103.53	12.05	91.48	680	--	170	1.2	14	2.3	520	--	
	8/21/2002	NP	103.53	12.78	90.75	88	--	1.9	ND<0.5	1.4	ND<0.5	ND<2.5	--	
	11/19/2002	NP	103.53	11.46	92.07	ND<1.000	--	98	ND<10	28	11	ND<0	--	
	02/12/2003	NP	103.53	9.55	93.98	<500	--	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	05/14/2003	NP	103.53	10.35	93.18	200	--	2.6	J	<0.50	<0.50	0.51	44 J	1.2
	08/13/2003	NP	103.53	12.37	91.16	240	--	<2.5	<2.5	<2.5	<2.5	21	1.0	
	11/13/2003	NP	103.53	13.08	90.45	180	--	16	<2.5	<2.5	<2.5	12	1.1	
	02/12/2004	NP	103.53	10.72	92.81	190	--	1.8	<0.50	0.94	<0.50	3.9	1.2 h	
	05/14/2004	NP	103.53	11.52	92.01	150	--	<2.5	<2.5	<2.5	<2.5	9.8	1.1	
	08/17/2004	NP	103.53	12.12	91.41	110	--	5.5	<0.50	1.6	1.1	6.4	1.3	
	11/12/2004	NP	103.53	11.39	92.14	380 J	--	8.1	<2.5	<2.5	<2.5	31 J	0.4	
	02/07/2005	NP	103.53	10.52	93.01	340 J	--	5.0	<0.50	7.0	1.4	4.1	0.6	
MW-7	3/26/1996	--	103.46	7.88	95.58	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	103.46	9.80	93.66	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	9/24/1996	--	103.46	11.71	91.75	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/15/1996	--	103.46	9.98	93.48	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	4/17/1997	--	103.46	10.10	93.36	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/1997	--	103.46	11.15	92.31	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	Not sampled
	9/4/1997	--	103.46	12.21	91.25	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/2/1997	--	103.46	10.76	92.70	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	103.46	5.63	97.83	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/29/1998	--	103.46	8.90	94.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	Not sampled
	9/2/1998	--	103.46	11.00	92.46	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/20/1998	--	103.46	11.63	91.83	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/4/1999	--	103.46	9.05	94.41	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/1999	--	103.46	9.05	94.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	8/5/1999	--	103.46	12.01	91.45	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/18/1999	--	103.46	12.52	90.94	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/18/2000	--	103.46	9.86	93.60	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/2000	--	103.46	12.05	91.41	ND<50	--	ND<0.5	1	ND<0.5	ND<1	120	--	
	8/17/2000	--	103.46	13.78	89.68	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/14/2000	--	103.46	13.10	90.36	NS	--	NS	NS	NS	NS	NS	--	Not sampled

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravestein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-7	2/20/2001	--	103.46	11.12	92.34	NS	--	ND<0.5	ND<0.5	ND<0.5	NS	NS	--	Not sampled
	5/4/2001	NP	103.46	12.00	91.46	ND<50	--	NS	NS	NS	NS	189	--	
	8/20/2001	--	103.46	13.20	90.26	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2001	--	103.46	12.91	90.55	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/19/2002	--	103.46	11.43	92.03	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/2002	--	103.46	12.43	91.03	81	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	480	--	
	8/21/2002	NP	103.46	13.07	90.39	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	NP	103.46	12.81	90.65	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	NP	103.46	11.23	92.23	--	--	--	--	--	--	--	--	
	05/14/2003	NP	103.46	11.11	92.35	450	--	<1.0	<1.0	<1.0	<1.0	1,100	1.0	
	08/13/2003	--	103.46	12.71	90.75	--	--	--	--	--	--	--	--	
	02/12/2004	--	103.46	11.39	92.07	--	--	--	--	--	--	--	--	h
	05/14/2004	NP	103.46	12.14	91.32	170	--	<12	<12	<12	<12	530	1.2	
	08/17/2004	--	103.46	12.96	90.50	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	--	103.46	12.47	90.99	--	--	--	--	--	--	--	--	Not Sampled
	02/07/2005	--	103.46	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-8														
	3/26/1996	--	100.70	6.69	94.01	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	6/26/1996	--	100.70	8.16	92.54	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	9/24/1996	--	100.70	9.50	91.20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	12/15/1996	--	100.70	8.44	92.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	47	--	
	4/17/1997	--	100.70	8.21	92.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	6/20/1997	--	100.70	9.02	91.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/4/1997	--	100.70	9.96	90.74	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	--	
	12/2/1997	--	100.70	8.85	91.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	87	--	
	2/23/1998	--	100.70	5.64	95.06	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	--	
	5/29/1998	--	100.70	7.51	93.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/2/1998	--	100.70	8.81	91.89	120	--	1.1	ND<0.5	3.3	ND<0.5	3	--	
	12/1/1998	--	100.70	9.40e	91.30	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21	--	
	2/4/1999	--	100.70	7.90	92.80	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	5/4/1999	--	100.70	7.62	93.08	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8	--	
	8/5/1999	--	100.70	9.60	91.10	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	--	100.70	10.08	90.62	ND<50	--	ND<0.5	ND<0.5	ND<1	ND<1	120	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravestein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments	
MW-8	11/18/1999	--	102.43	--	---	--	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	310	--	
	2/18/2000	--	100.70	8.04	92.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	560	--	
	6/20/2000	--	100.70	9.35	91.35	ND<50	--	ND<0.5	0.7	ND<0.5	ND<1	ND<1	320	--	
	8/17/2000	--	100.70	11.18	89.52	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	273	--	
	11/14/2000	NP	100.70	10.68	90.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	122	--	
	2/20/2001	NP	100.70	8.41	92.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	122	--	
	5/4/2001	NP	100.70	9.32	91.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	199	--	
	8/20/2001	NP	100.70	10.66	90.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	140	--	
	11/19/2001	NP	100.70	10.46	90.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	360	--	
	2/19/2002	NP	100.70	8.86	91.84	70	--	ND<0.50	1.1	ND<0.50	1.5	ND<0.50	98	--	
	6/20/2002	--	100.70	9.90	90.80	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1,700	--	
	8/21/2002	NP	100.70	10.50	90.20	1,200	--	ND<10	ND<10	ND<10	ND<10	ND<10	13	--	
	11/19/2002	NP	100.70	10.19	90.51	1,100	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1,700	--	
	02/12/2003	NP	100.70	8.71	91.99	<5,000	--	<50	<50	<50	<50	<50	2,300	--	
	05/14/2003	NP	100.70	8.61	92.09	1,800	--	<5.0	<5.0	<5.0	<5.0	<5.0	4,900	J 0.8	
	08/13/2003	NP	100.70	10.15	90.55	1,600	--	<50	63	<50	130	130	4,700	1.5	
	11/13/2003	NP	100.70	11.32	89.38	1,500 R	--	<50	<50	<50	<50	<50	3,900	1.2	
	02/12/2004	NP	100.70	8.76	91.94	450	--	<12	<12	<12	<12	<12	800	0.9 h	
	05/14/2004	NP	100.70	9.45	91.25	120	--	<12	<12	<12	<12	<12	250	1.1	
	08/17/2004	NP	100.70	10.38	90.32	51	--	<0.50	<0.50	<0.50	<0.50	<0.50	33	2.1	
	11/12/2004	NP	100.70	9.79	90.91	<50 UU	--	<0.50	<0.50	<0.50	<0.50	<0.50	<50 UU	0.6	
	02/07/2005	NP	100.70	8.75	91.95	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	9.7	1.1	
MW-9	3/26/1996	--	101.6	8.42	93.18	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	101.6	9.49	92.11	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	9/24/1996	--	101.6	10.74	90.86	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	12/15/1996	--	101.6	9.44	92.16	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	4/17/1997	--	101.6	9.61	91.99	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	6/20/1997	--	101.6	10.22	91.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	58	--	Not sampled
	9/4/1997	--	101.6	11.19	90.41	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	12/2/1997	--	101.6	9.95	91.65	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	101.6	6.50	95.10	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	5/29/1998	--	101.6	8.89	92.71	ND<500	--	ND<5	ND<5	ND<5	ND<5	ND<5	150	--	Not sampled
	9/2/1998	--	101.6	9.98	91.62	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 134-1
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water Elevation (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MIBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-9	11/20/1998	--	101.6	10.84	90.76	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/4/1999	--	101.6	8.88	92.72	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/1999	--	101.6	9.01	92.59	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	220	--
	8/5/1999	--	101.6	10.75	90.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	280	--
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--
	11/18/1999	--	101.6	11.30	90.30	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	440	--
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--
	3/2/2000	--	101.6	8.50f	93.10	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	--
	6/20/2000	--	101.6	10.51	91.09	ND<50	--	ND<0.5	0.9	ND<0.5	ND<1	370(390)d	--	--
	8/17/2000	--	101.6	12.35	89.25	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	320(360)d	--	--
	11/14/2000	NP	101.6	11.79	89.81	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	297	--
	2/20/2001	NP	101.6	9.42	92.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	137	--
	5/4/2001	NP	101.6	10.37	91.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	126	--
	8/20/2001	NP	101.6	11.71	89.89	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	150	--
	11/19/2001	NP	101.6	11.60	90.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	--
	2/19/2002	NP	101.6	9.95	91.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	31	--
	6/20/2002	--	101.6	11.00	90.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	70	--
	8/21/2002	NP	101.6	11.55	90.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	63	--
	11/19/2002	NP	101.6	11.45	90.15	69	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	100	--
	02/12/2003	NP	101.60	9.93	91.67	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	3.4	--
	05/14/2003	NP	101.60	9.73	91.87	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	1.3
	08/13/2003	NP	101.60	11.25	90.35	<50	--	<1.0	<1.0	<1.0	<1.0	<1.0	42	2.3
	11/13/2003	NP	101.60	12.48	89.12	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	49	1.7
	02/12/2004	NP	101.60	9.83	91.77	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	8.0	1.8
	05/14/2004	NP	101.60	10.58	91.02	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	21	1.2
	08/17/2004	NP	101.60	11.52	90.08	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	17	2.2
	11/12/2004	NP	101.60	11.08	90.52	<50	UJ	<0.50	UJ	<0.50	UJ	<0.50	39 J	0.7
	02/07/2005	NP	101.60	9.85	91.75	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	0.8
MW-10	3/26/1996	--	102.43	9.11	93.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	--
	6/26/1996	--	102.43	11.09	91.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	--
	9/24/1996	--	102.43	13.03	89.40	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	--
	12/15/1996	--	102.43	12.64	89.79	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	4	--
	4/17/1997	--	102.43	10.17	92.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	--

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 134-1
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-10	6/20/1997	--	102.43	11.85	90.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	
	9/4/1997	--	102.43	13.65	88.78	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5	--	
	12/27/1997	--	102.43	12.24	90.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	1.1	5	--	
	2/23/1998	--	102.43	8.20	94.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9	--	
	5/29/1998	--	102.43	9.06	93.37	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	--	
	9/21/1998	--	102.43	11.15	91.28	ND<50	--	0.7	ND<0.5	0.6	ND<0.5	ND<3	--	
	11/20/1998	--	102.43	12.04	90.39	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13	--	
	2/4/1999	--	102.43	10.63	91.80	ND<50	--	0.5	ND<0.5	ND<0.5	0.5	7	--	
	5/4/1999	--	102.43	9.75	92.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	8/5/1999	--	102.43	11.89	90.54	ND<50	--	3.2	ND<0.5	ND<0.5	1.9	12	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	--	102.43	13.03	89.40	ND<50	--	1.8	0.5	ND<0.5	ND<1	12	--	
	2/18/2000	--	102.43	10.28	92.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	29	--	
	6/20/2000	--	102.43	12.70	89.73	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	37	--	
	8/17/2000	--	102.43	14.63	87.80	ND<50	--	0.7	ND<0.5	0.6	3.3	21	--	
	11/14/2000	--	102.43	14.25	88.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	42.8	--	
	2/20/2001	--	102.43	11.87	90.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	1.56	30	--	
	5/4/2001	--	102.43	12.55	89.88	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	16.6	--	
	8/20/2001	--	102.43	14.24	88.19	130	--	11	6.6	1.3	12	31	--	
	11/19/2001	--	102.43	14.10	88.33	ND<50	--	0.57	0.89	ND<0.50	1.3	36	--	
	2/19/2002	--	102.43	11.93	90.50	ND<50	--	ND<0.50	0.91	ND<0.50	1.7	22	--	
	6/20/2002	--	102.43	13.13	89.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	63	--	
	8/21/2002	P	102.43	13.88	88.55	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	49	--	
	11/19/2002	P	102.43	14.04	88.39	58	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	79	--	
	02/12/2003	P	102.43	11.79	90.64	130	--	<0.50	<0.50	<0.50	<0.50	88	--	
	05/14/2003	P	102.43	11.86	90.57	<50	--	<0.50	<0.50	<0.50	<0.50	78 J	3.0	
	08/13/2003	P	102.43	13.52	88.91	55	--	<1.2	<1.2	<1.2	<1.2	82	4.7	
	11/13/2003	P	102.43	14.43	88.00	<50	--	<0.50	<0.50	<0.50	<0.50	4.6	1.6	
	02/12/2004	P	102.43	12.49	89.94	51	--	<0.50	<0.50	<0.50	<0.50	77	4.6	h
	05/14/2004	P	102.43	12.32	90.11	<50	--	<2.5	<2.5	<2.5	<2.5	64	3.8	
	08/17/2004	P	102.43	13.46	88.97	<50	--	<0.50	<0.50	<0.50	<0.50	20	2.5	
	11/12/2004	P	102.43	13.33	89.10	<50 UJ	--	<0.50	<0.50	<0.50	<0.50	87 J	3.4	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravestein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-10	02/07/2005	P	102.43	12.75	89.68	<50	--	<2.5	<2.5	<2.5	<2.5	44	3.1	
SV-1	11/19/2001	--	--	13.43	--	130	--	13	ND<0.50	ND<0.50	0.85	1,100	--	
	2/19/2002	NP	--	11.37	--	1,300	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2,300	--	
	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	--	13.30	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	--	12.75	--	--	--	--	--	--	--	--	--	
	11/13/2003	P	--	14.05	--	240	--	<2.5	<2.5	<2.5	<2.5	96	1.1	
	02/12/2004	--	--	11.27	--	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	12.25	--	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	13.12	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	NP	--	12.81	--	160 J	--	<0.50	<0.50	<0.50	<0.50	<50 JJ	0.2	
	02/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled
SV-2	11/19/2001	--	--	13.22	--	23,000	--	5,500	ND<50	1,000	180	6,900	--	
	2/19/2002	NP	--	11.20	--	10,000	--	2,000	ND<25	590	340	4,300	--	
	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	--	13.33	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	--	12.50	--	--	--	--	--	--	--	--	--	
	11/13/2003	P	--	14.13	--	14,000	--	3,400 J	<100	190	<100	9,800	1.3	
	02/12/2004	--	--	11.22	--	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	11.82	--	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	12.79	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	NP	--	12.64	--	7,000	--	3,200	<50	66	<50	480	0.1	
	02/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled
SV-3	11/19/2001	--	--	12.21	--	83	--	8.2	ND<0.50	ND<0.50	ND<0.50	1.400	--	
	2/19/2002	NP	--	10.77	--	30,000	--	24	0.57	ND<0.50	1.1	2,200	--	
	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled

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Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylenbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
SV-3	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	--	11.99	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	12.18	--	--	--	--	--	--	--	--	--	--
	11/13/2003 P	--	12.71	--	80	--	<2.5	<2.5	<2.5	<2.5	<2.5	9.8	0.3	
	02/12/2004	--	10.60	--	--	--	--	--	--	--	--	--	--	--
	05/14/2004	--	11.56	--	--	--	--	--	--	--	--	--	--	--
	08/17/2004	--	12.51	--	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004 NP	--	11.61	--	<50	--	<0.50	<0.50	<0.50	<0.50	12 J	0.2		
	02/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled
SV-4	11/19/2001	--	--	12.40	--	NS	--	NS	NS	NS	NS	NS	--	0.04 ft free product present, Not sampled
	2/19/2002	--	10.75	--	NS	--	NS	NS	NS	NS	NS	NS	--	Sheen, Not sampled
	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	11.89	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/13/2003	--	12.52	--	--	--	--	--	--	--	--	--	--	--
	11/13/2003 P	--	13.66	--	50,000	--	8,400	<100	5,400	17,000	1,500	1.2		
	02/12/2004	--	10.62	--	--	--	--	--	--	--	--	--	--	
	05/14/2004	--	11.68	--	--	--	--	--	--	--	--	--	--	
	08/17/2004	--	12.62	--	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004 NP	--	11.69	--	36,000 J	--	8,100 J	<100	3,400 J	1,100 J	0.2	--	--	Not Sampled
	02/07/2005	--	--	--	--	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

TPH = Total petroleum hydrocarbons
MTBE = Methyl tertiary butyl ether

$\mu\text{g/L}$ = Micrograms per liter

P = Purge

NP = No Purge

MSL = Mean Sea Level

TOC = Top of Casting

NS = Not sampled

a = Chromatogram Pattern: Unidentified Hydrocarbons C6-C11

b = Chromatogram Pattern: Weathered Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12

c = This result is from a second dilution of the sample.

d = Confirmed by using EPA Method 8260

e = Depth to water measured 11/20/98.

f = Depth to water measured 2/18/00.

g = Well could not be opened.

h = Analyzed by gasoline range organics (GRO) beginning first quarter 2004 (method 8015B)

Data Qualifier Definitions:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample i.e., the presence or absence of the analyte cannot be verified) or the analyte identification has been rejected (i.e., the presence of the analyte cannot be verified).

Source : The data within this table collected prior to August 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
AS-1	02/12/2003	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2003	--	--	--	--	--	--	--	--	
	08/13/2003	--	--	--	--	--	--	--	--	Not Sampled
	11/13/2003	<50,000	<10,000	600	<50	<50	<50	<25	<25	
	02/12/2004	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2004	--	--	--	--	--	--	--	--	Not Sampled
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<10,000	<10,000 UJ	670 J	<100	<100	<100	<50	<50	
	02/07/2005	--	--	--	--	--	--	--	--	
MW-1A	02/12/2003	<4,000	<2,000	950	<50	<50	<50	<50	<50	
	05/14/2003	<50,000 UJ	<10,000 UJ	670 J	<500	<500	<500	<500	<500	
	08/13/2003	<50,000	<10,000	840	<500	<500	<500	<250	<250	
	11/13/2003	<20,000	<4,000	600	<200	<200	<200	<100	<100	
	02/12/2004	<25,000	<5,000	430	<250	<250	<250	<120	<120	
	05/14/2004	<50,000	<10,000	480	<500	<500	<500	<250	<250	
	08/17/2004	<25,000	<5,000	430	<250	<250	<250	<120	<120	
	11/12/2004	<10,000	<10,000 UJ	530 J	<100	<100	<100	<50	<50	
	02/07/2005	<1,000	480	360	<10	<10	<10	<5.0	<5.0	
MW-2	02/12/2003	<4,000	<2,000	490	<50	<50	<50	--	--	
	05/14/2003	<5,000 UJ	<1,000 UJ	600 J	<50	<50	<50	--	--	
	08/13/2003	<5,000	<1,000	700	<50	<50	<50	<25	<25	
	11/13/2003	<5,000	<1,000	540	<50	<50	<50	<25	<25	
	02/12/2004	<1,000	560	220	<10	<10	<10	<5.0	<5.0	
	05/14/2004	<10,000	<2,000	220	<100	<100	<100	<50	<50	
	08/17/2004	<5,000	<1,000	260	<50	<50	<50	<25	<25	
	11/12/2004	<2,500	87,000 J	180	<25	<25	<25	<12	<12	
	02/07/2005	<1,000	910	78	<10	<10	<10	<5.0	<5.0	
MW-3	02/12/2003	<40	<20	0.66	<0.50	<0.50	<0.50	--	--	
	05/14/2003	<100 UJ	<20 UJ	<0.50	<1.0	<1.0	<1.0	--	--	
	08/13/2003	<500	<100	83	<5.0	<5.0	<5.0	<2.5	<2.5	
	11/13/2003	<1,000	<200	230	<10	<10	<10	<5.0	<5.0	
	02/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	
	05/14/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	

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Table 2

Fuel Oxygenates Analytical Data
 ARCO Service Station No. 1341
 8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DPE ($\mu\text{g/L}$)	EtBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	Comments
MW-3	08/17/2004	<100	<20	30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	11/12/2004	<100	<200 UJ	120 J	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	02/07/2005	<100	<20	<0.50	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
MW-4	02/12/2003	<40	<20	220	<0.50	<0.50	1.1	--	--	--
	05/14/2003	<2,000 UJ	<400 UJ	700 J	<20	<20	<20	--	--	--
	08/13/2003	<100	<20	1.2	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	11/13/2003	<100	<20	12	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	02/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	05/14/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	08/17/2004	<100	<20	11	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	11/12/2004	<100 UJ	<20 UJ	0.81 J	<1.0 UJ	<1.0 UJ	<1.0 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
	02/07/2005	<100	<20	3.1	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
MW-5	02/12/2003	--	--	--	--	--	--	--	--	Well Inaccessible
	05/14/2003	--	--	--	--	--	--	--	--	Well Inaccessible
	08/13/2003	--	--	--	--	--	--	--	--	Well Inaccessible
	11/13/2003	--	--	--	--	--	--	--	--	Well Inaccessible
	02/12/2004	--	--	--	--	--	--	--	--	Well Inaccessible
	05/14/2004	<2,000	<400	370	<20	<20	<20	<10	<10	<10
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	--	--	--	--	--	--	--	--	Not Sampled
	02/07/2005	--	--	--	--	--	--	--	--	--
MW-6	02/12/2003	<400	<200	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	05/14/2003	<1,000 UJ	1,000 J	44 J	<10	<10	<10	<10	--	--
	08/13/2003	<500	<100	21	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	11/13/2003	<500	<100	12	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	02/12/2004	<100	<20	3.9	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	05/14/2004	<500	<100	9.8	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	08/17/2004	<100	<20	6.4	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	11/12/2004	<500	<100 UJ	31 J	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	02/07/2005	<100	<20	4.1	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
MW-7	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	<10,000 UJ	<4,000	1,100	<100	<100	<100	<100	--	--

Table 2

Fuel Oxygenates Analytical Data
 ARCO Service Station No. 1341
 8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
MW-7	08/13/2003	--	--	--	--	--	--	--	--	--
	02/12/2004	--	--	--	--	--	--	--	--	--
	05/14/2004	<2,500	<500	530	<25	<25	<25	<12	<12	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	--	--	--	--	--	--	--	--	Not Sampled
	02/07/2005	--	--	--	--	--	--	--	--	
MW-8	02/12/2003	<4,000	<2,000	2,300	<50	<50	<50	<50	<50	--
	05/14/2003	<10,000 UJ	<2,000 UJ	4,900 J	<100	<100	<100	<100	<100	--
	08/13/2003	<10,000	<2,000	4,700	<100	<100	<100	<50	<50	<50
	11/13/2003	<10,000	<2,000	3,900	<100	<100	<100	<50	<50	<50
	02/12/2004	<2,500	2,200	800	<25	<25	<25	<12	<12	
	05/14/2004	<2,500	2,800	250	<25	<25	<25	<12	<12	
	08/17/2004	<100	3,500	33	<1.0	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100	1,600 J	<50 UJ	<1.0	<1.0	<1.0	<0.50	<0.50	
	02/07/2005	<100	<20	9.7	<1.0	<1.0	<1.0	<0.50	<0.50	
MW-9	02/12/2003	<40	<20	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	--
	05/14/2003	<100 UJ	<20 UJ	4.4 J	<1.0	<1.0	<1.0	<1.0	<1.0	--
	08/13/2003	<200	<40	42	15	<2.0	<2.0	<1.0	<1.0	<1.0
	11/13/2003	<100	<20	49	6.4	<1.0	<1.0	<0.50	<0.50	<0.50
	02/12/2004	<100	<20	8.0	<1.0	<1.0	<1.0	<0.50	<0.50	
	05/14/2004	<100	<20	21	11	<1.0	<1.0	<0.50	<0.50	
	08/11/2004	<100	<20	17	23	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100 UJ	<20 UJ	39 J	25 J	<1.0 UJ	<1.0 UJ	<0.50 UJ	<0.50 UJ	
	02/07/2005	<100	<20	2.5	<1.0	<1.0	<1.0	<0.50	<0.50	
MW-10	02/12/2003	<40	45	88	<0.50	<0.50	2.3	--	--	--
	05/14/2003	<200 UJ	<40 UJ	78 J	<2.0 UJ	<2.0 UJ	--	--	--	
	08/13/2003	<250	<50	82	<2.5	<2.5	<2.5	<1.2	<1.2	
	11/13/2003	<100	<20	4.6	<1.0	<1.0	<1.0	<0.50	<0.50	
	02/12/2004	<100	40	77	<1.0	<1.0	1.8	<0.50	<0.50	
	05/14/2004	<500	<100	64	<5.0	<5.0	<2.5	<2.5	<2.5	
	08/17/2004	<100	<20	20	<1.0	<1.0	<0.50	<0.50	<0.50	
	11/12/2004	<100	48 J	87 J	<1.0	<1.0	1.9	<0.50	<0.50	
	02/07/2005	<500	<100	44	<5.0	<5.0	<5.0	<2.5	<2.5	

Report Date: March 18, 2005

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
SV-1	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<500	9,300	96	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	02/12/2004	--	--	--	--	--	--	--	--	--
	05/14/2004	--	--	--	--	--	--	--	--	--
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<100	16,000 J	<50 LU	1.0	<1.0	1.4	<0.50	<0.50	
	02/07/2005	--	--	--	--	--	--	--	--	--
SV-2	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<20,000	<4,000	9,800	<200	<200	200	<100	<100	<100
	02/12/2004	--	--	--	--	--	--	--	--	--
	05/14/2004	--	--	--	--	--	--	--	--	--
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<10,000	8,700	480	<100	<100	<100	<50	<50	<50
	02/07/2005	--	--	--	--	--	--	--	--	--
SV-3	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<500	2,100	9.8	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5
	02/12/2004	--	--	--	--	--	--	--	--	--
	05/14/2004	--	--	--	--	--	--	--	--	--
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<100	650 J	12 J	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50
	02/07/2005	--	--	--	--	--	--	--	--	--
SV-4	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<20,000	<4,000	1,500	<200	<200	<200	<100	<100	<100
	02/12/2004	--	--	--	--	--	--	--	--	--

Report Date: March 18, 2005

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
SV-4	05/14/2004	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<20,000	<4,000	1,100 J	<200	<200	<100	<100	<100	
	02/07/2005	--	--	--	--	--	--	--	--	

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

NOTES:
All fuel oxygenate compounds analyzed using EPA Method 8260B

DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
MTBE = Methyl tert-butyl ether
NA = Data not available, not analyzed, or not applicable
< = Less than laboratory reporting limit
NS = Not Sampled
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
TBA = tert-Butoyl alcohol

Table 3

Historical Volatile Organic Compound Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	DCE12C (µg/L)	TBA (µg/L)	TAME (µg/L)	IPBZ (µg/L)	PBZN (µg/L)	TMB135 (µg/L)	TMB124 (µg/L)	TMBZS (µg/L)	CYMB (µg/L)	BTBZN (µg/L)	NAPH (µg/L)
MW-1A	8/5/1999	1	610	35	270	720	110	240	35	5	67	1,700
MW-3	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	17
MW-4	8/5/1999	<1	<100	<10	47	130	<4	<4	<4	<4	24	310
MW-6	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	5
MW-8	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	2
MW-9	8/5/1999	<2.5	<250	<25	<10	<10	<10	<10	<10	<10	<10	<10
MW-10	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	<2
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

< = Not detected at or above specified laboratory method detection limit
NA = Not analyzed
(µg/L) = Micrograms per liter

DCE12C = cis-1,2-Dichloroethene
TBA = tert-Butyl Alcohol
TAME = tert-Amyl Methyl Ether
IPBZ = Isopropyl-benzene
PBZN = n-Propyl-benzene
TMB135 = 1,3,5-Trimethyl-benzene
TMB124 = 1,2,4-Trimethyl-benzene
BTBZS = sec-Butyl-benzene
CYMP = 4-Isopropyl-toluene
NAPH = Naphthalene

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Cotati Quadrangle



VICINITY MAP

Circle K Store 05426
8510 Gravenstein Highway
Cotati, California

TRC

FIGURE 1

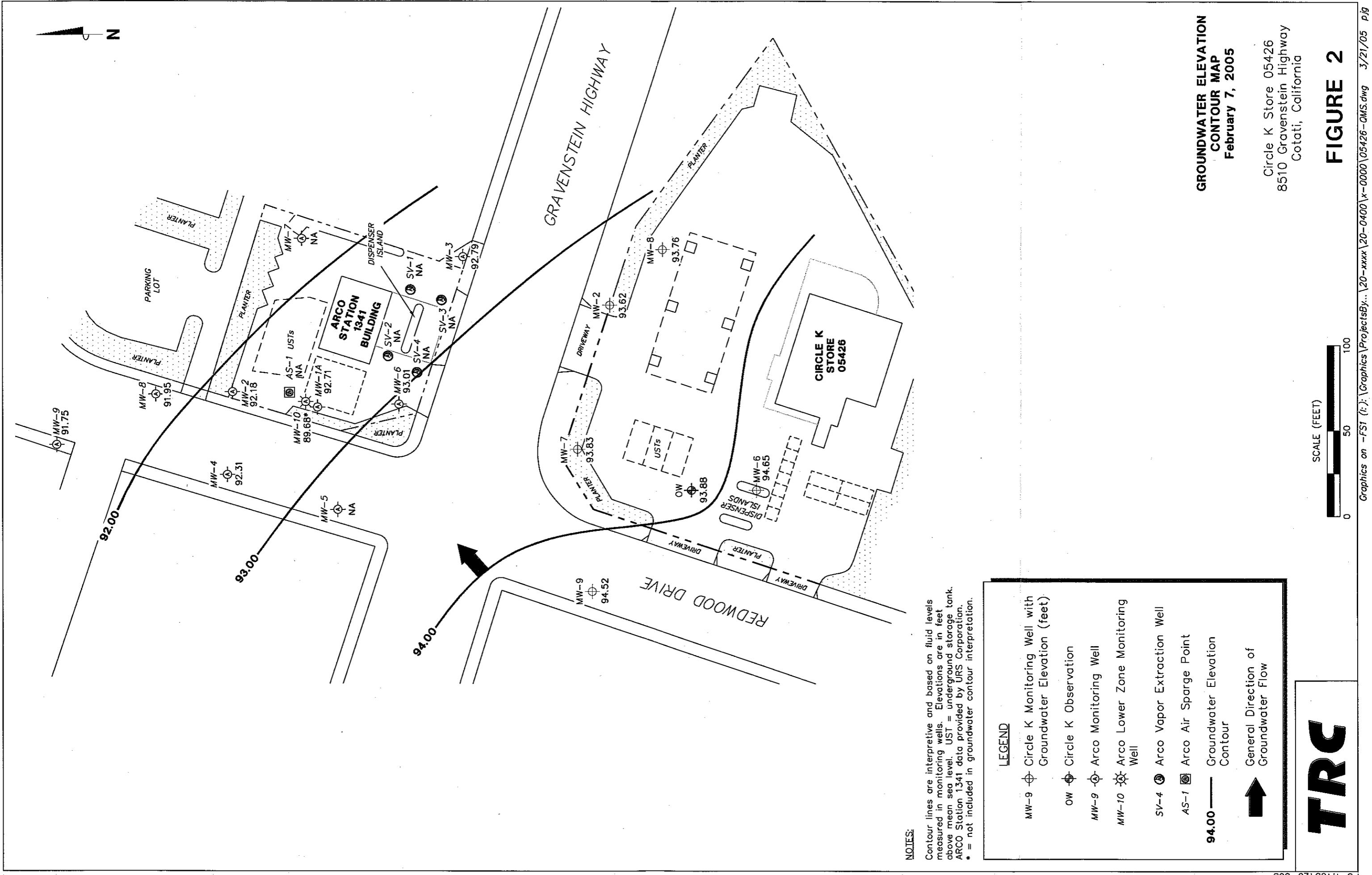


FIGURE 3

Graphics on -FS1 (1:1) \Projects\By... \20-xxxx\20-0400\x-0000\05426-QMS.dwg 3/21/05 pg

TRC

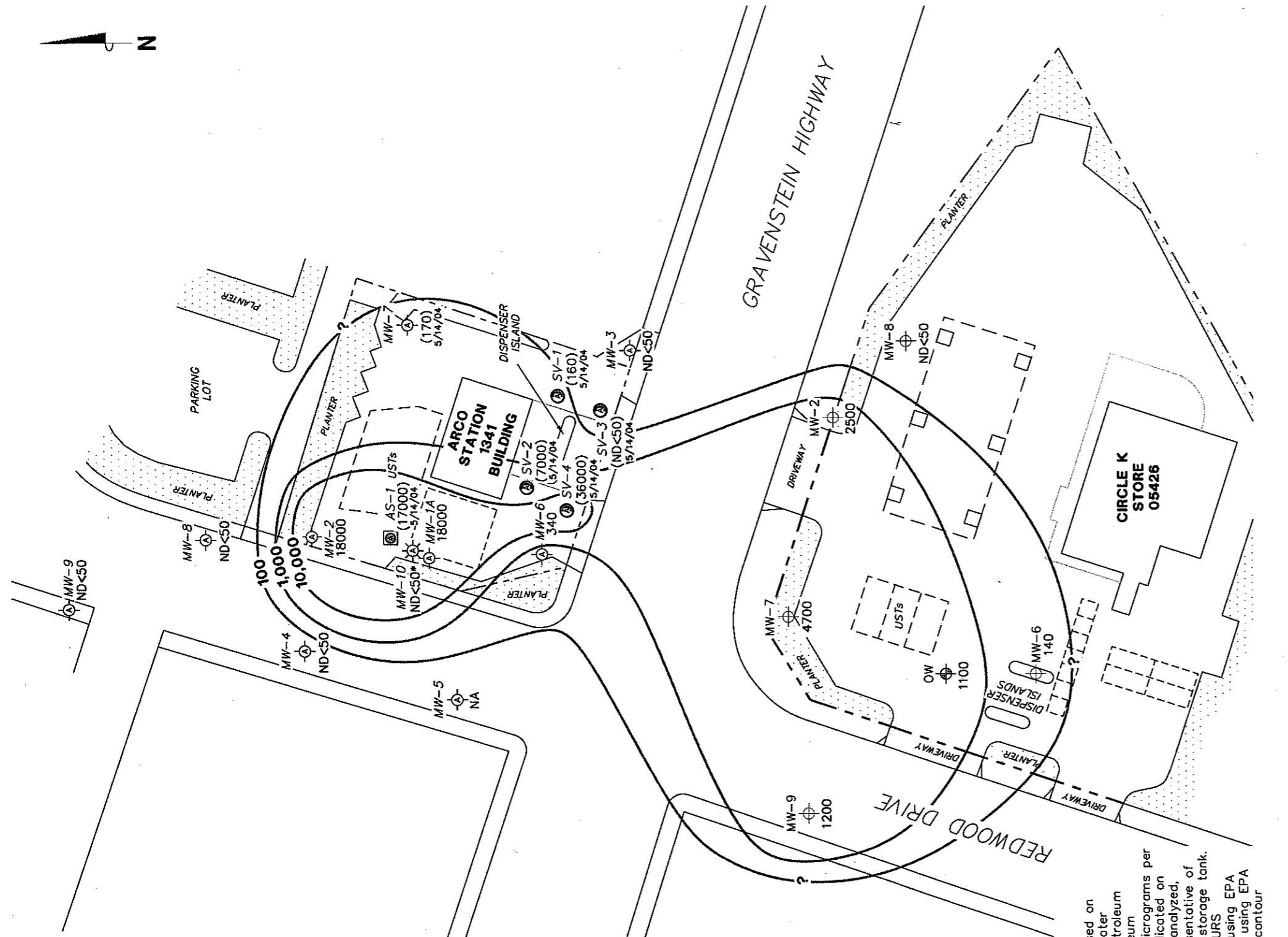
SCALE (FEET)

0 50 100

Circle K Store 05426
8510 Gravenstein Highway
Cotati, California

DISSOLVED-PHASE TPPH CONCENTRATION MAP

February 7, 2005

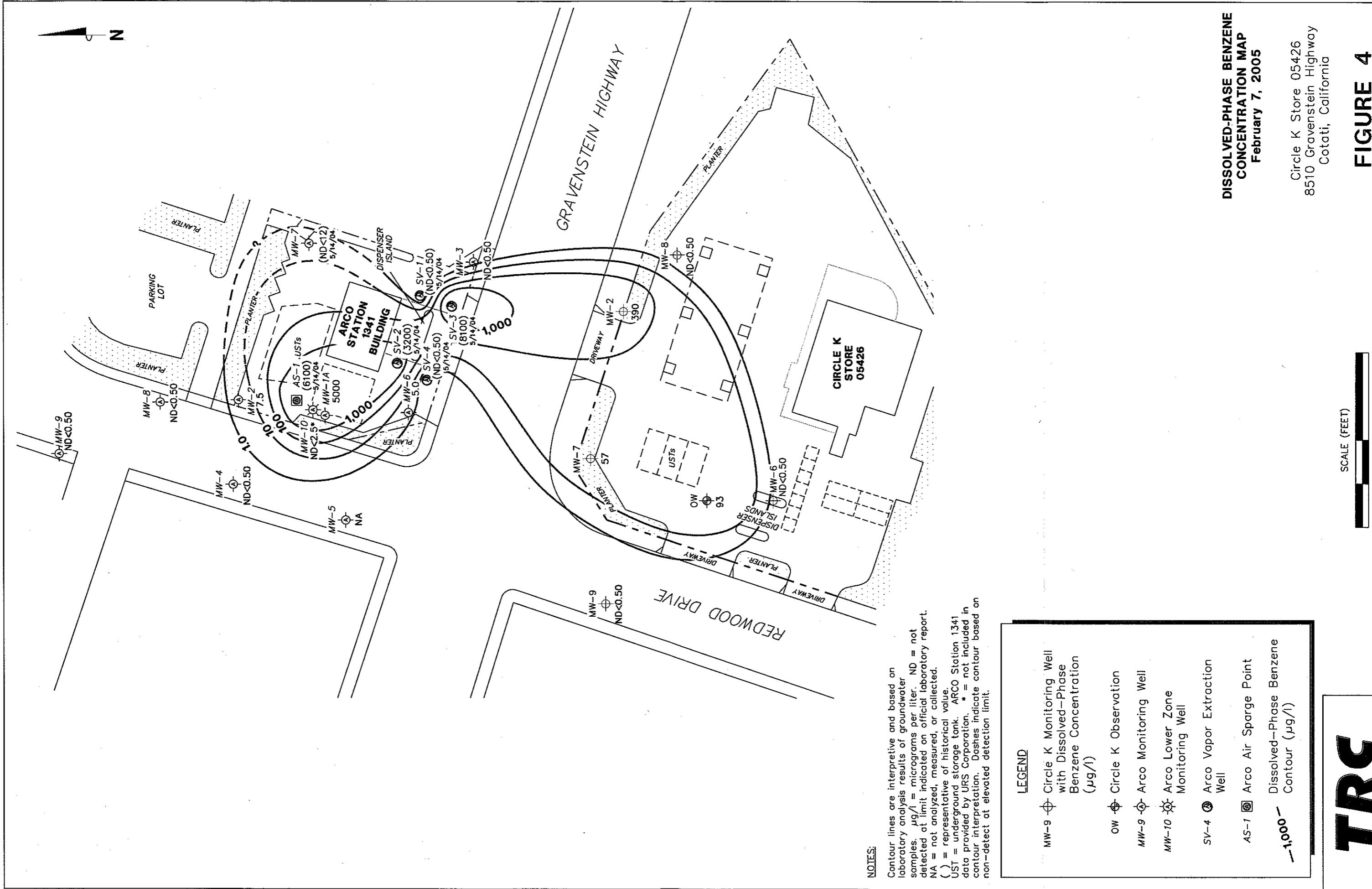


NOTES:

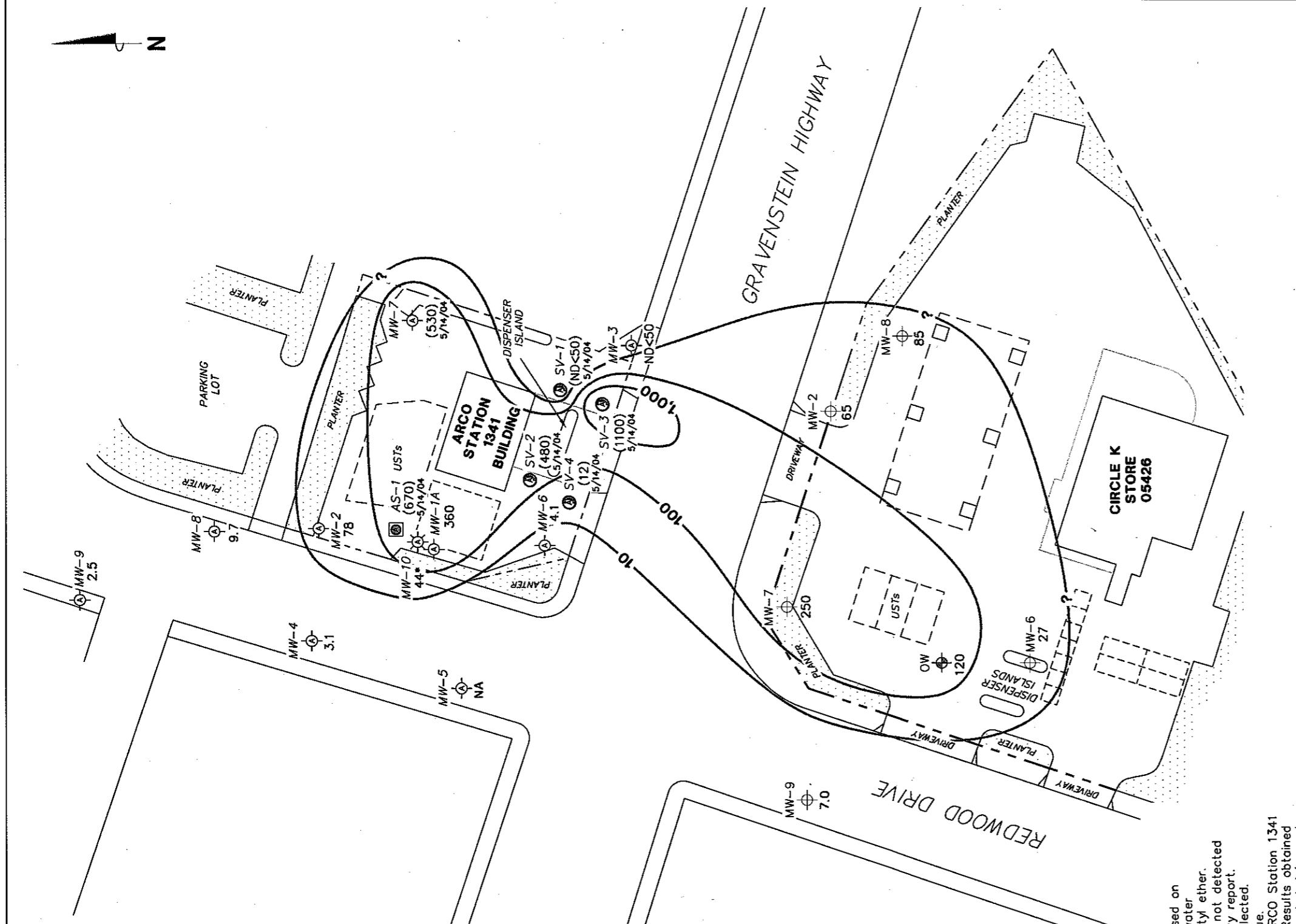
Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons as gasoline. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. () = representative of historical value. UST = underground storage tank. ARCO Station 1341 data provided by URS Corporation; TPPH-G results obtained using EPA Method 8260B. * = not included in contour interpretation.

LEGEND

- MW-9 Circle K Observation
- MW-9 Arco Monitoring Well with Dissolved-Phase TPPH Concentration ($\mu\text{g/l}$)
- OW Arco Lower Zone Monitoring Well
- SV-4 Arco Vapor Extraction Well
- AS-1 Arco Air Sparge Point
- 10,000— Dissolved-Phase TPPH Contour ($\mu\text{g/l}$)



Graphics on -FS1 (l): \Graphics\ProjectsBy..\20-xxxx\20-0400\x-0000\05426-QMS.dwg 3/21/05 pg 4



6

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. () = representative of historical value. UST = underground storage tank. ARCO Station 13 data provided by URIS Corporation. Results obtained using EPA Method 8260B. * = not included in contour interpretation.

20

- DISSOLVED-PHASE MTBE CONCENTRATION MAP**
February 7, 2005

Circle K Store 05426
8510 Gravenstein Highway

OW • Circle K Monitoring well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)

MW-9 • Arco Monitoring Well

MW-10 ☀ Arco Lower Zone Monitoring Well

SV-4 Ⓢ Arco Vapor Extraction Well

AS-1 ☒ Arco Air Sparge Point

Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

100

PS=1:105426

FIGURE 5

SCALE (FEET)

100

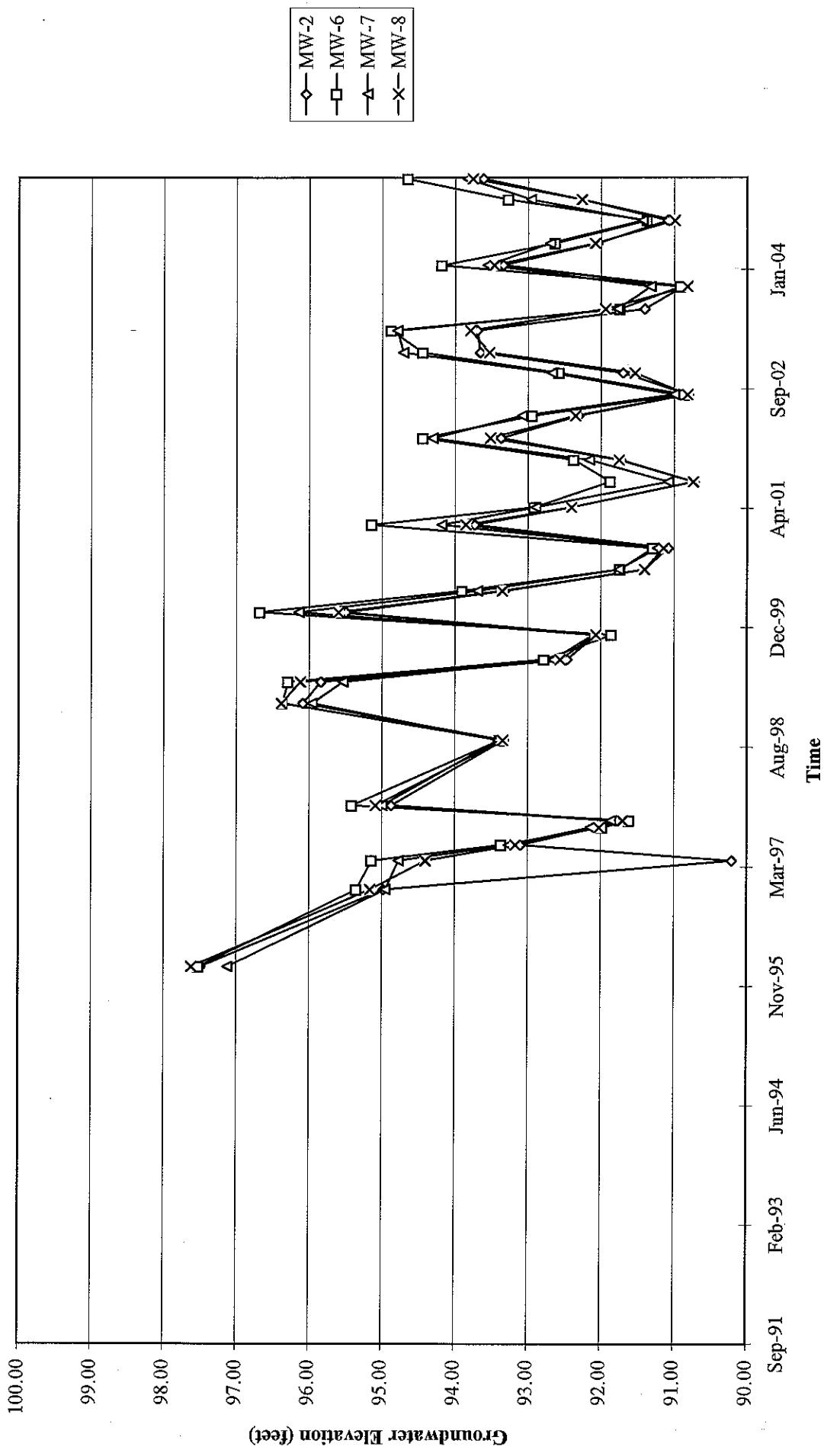
50

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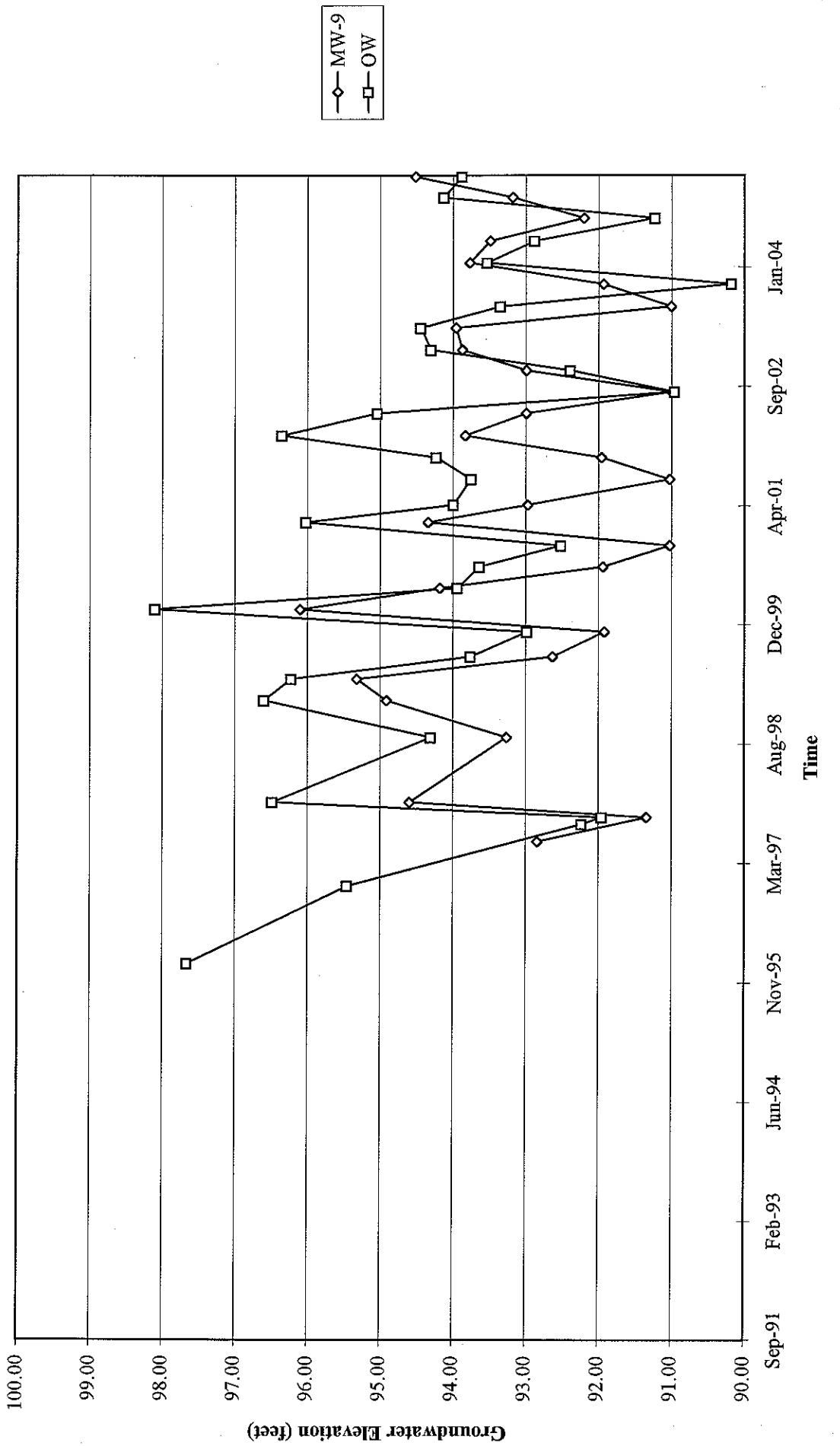
FIGURE 5

GRAPHS

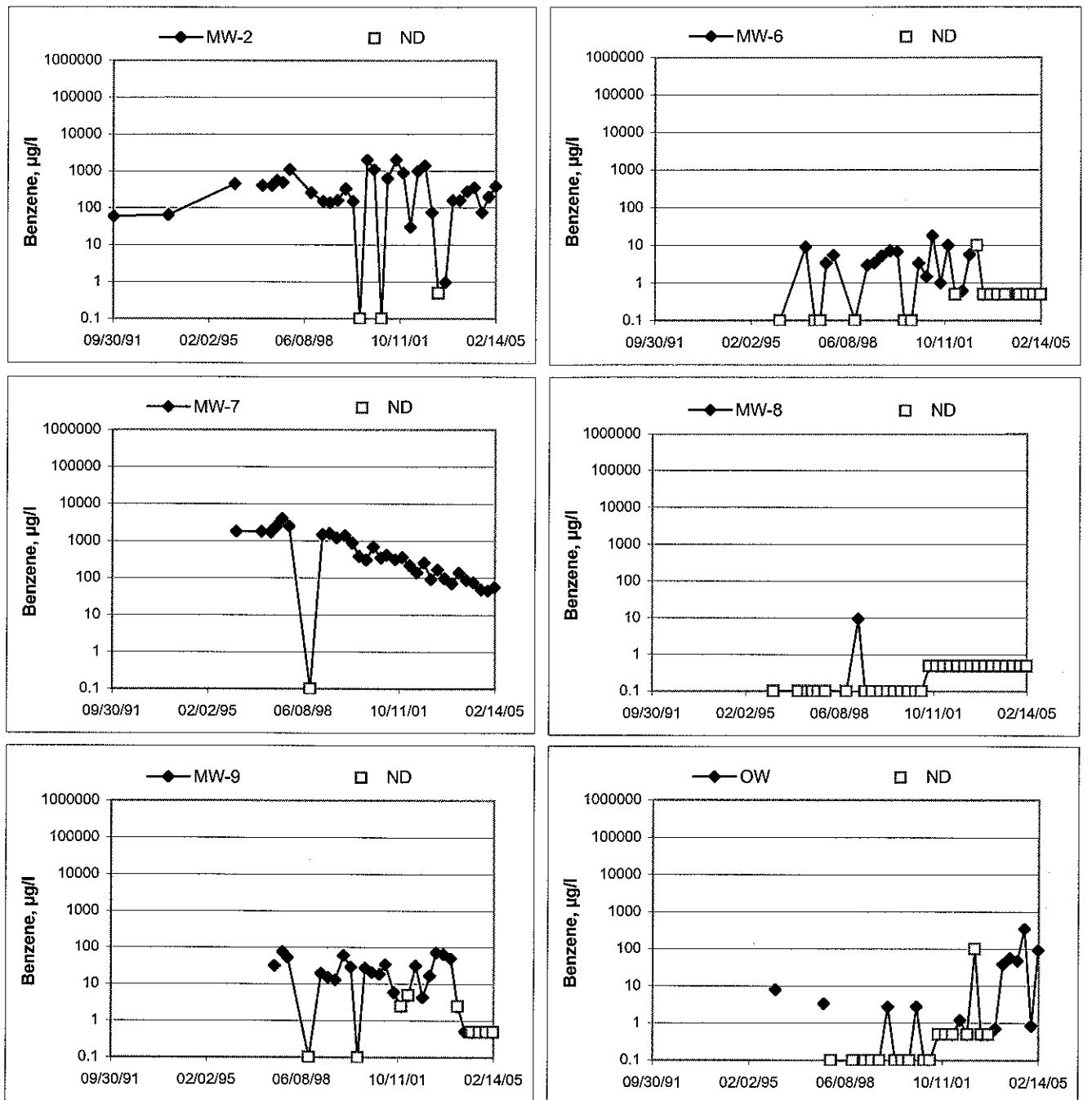
Groundwater Elevations vs. Time
Circle K Store 05426



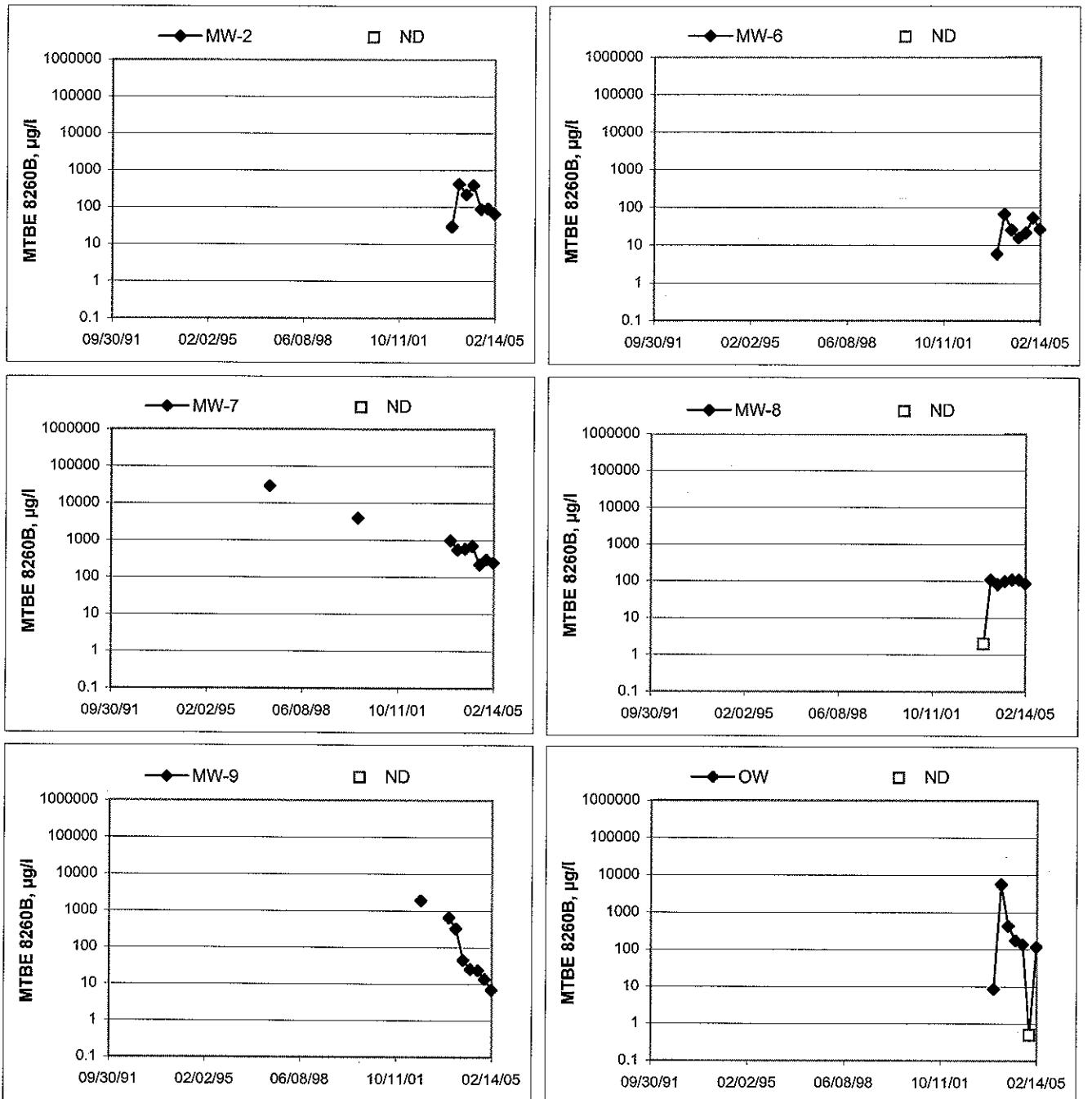
Groundwater Elevations vs. Time
Circle K Store 05426



Benzene Concentrations vs Time
Circle K Store 05426



MTBE 8260B Concentrations vs Time
Circle K Store 05426



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, $\frac{1}{2}$ -inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: *muX*

Job #/Task #: 4105001 / F420

Date: 02-07-05

Site # 05426

Project Manager A. COLLINS

Page / of /

FIELD DATA COMPLETE

QA/QC

coc

WELL BOX CONDITION SHEETS

WTT CERTIFICATE

MANIFEST

DRUM INVENTORY

TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Site: 05426

Technician: JEX
Project No.: 41050001 / F420

Date: 02-07-05

Well No.: MW-9

Purge Method: _____

Depth to Water (feet): 8.12

Depth to Product (feet): _____

Total Depth (feet): 17-0 9

LPH & Water Recovered (gallons):

Water Column (feet): 8.96

Casing Diameter (inches): 2"

80% Recharge Depth (feet): 9.9

1 Well Volume (gallons): 2

Well No.: MW-3

Purge Method: D

Depth to Water (feet): 9.44

Depth to Product (feet): 6

Total Depth (feet): 19-23

| PH & Water Recovered (gallons): **6**

Total Depth (feet): 9.79
Water Column (feet): 9.79

Casing Diameter (Inches): 2"

GROUNDWATER SAMPLING FIELD NOTES

Site: 05426

Technician:

Project No.:

Date: 02-07-05

Well No.: MW-4

AUX

41050001

Depth to Water (feet): 9.60

Purge Method: _____

Total Depth (feet): 20.04

Depth to Product (feet): _____

Total Depth (feet). 10-44

LPH & Water Recovered (gallons): _____

Water Column (feet): 10-14

Casing Diameter (Inches): **2"**

80% Recharge Depth (feet): 77.43

1. Well Volume (gallons):

Well No.: 800

Purge Method: _____

Depth to Water (feet): 9.90

Depth to Product (feet): _____

Total Depth (feet): **17.78**

I PH & Water Recovered (gallons): **6**

Water Column (feet): 7.88

Casing Diameter (Inches): 24"

GROUNDWATER SAMPLING FIELD NOTES

Site: 05426

Technician: ALEX

Project No.: 4105001

Date: 02-07-03

Well No.: MW-7

Purge Method: _____ P _____

Depth to Water (feet): 9.99

Depth to Product (feet):

Total Depth (feet): 20.04

I PH & Water Recovered (gallons): 6

Water Column (feet): 10.05

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.00

1 Well Volume (gallons): 2

Well No.: MW-2

Purge Method: *D*

Depth to Water (feet): 9.34

Depth to Product (feet): 6

Total Depth (feet): 21.75

1 PH & Water Recovered (gallons): 6

Water Column (feet): 12.39

Casing Diameter (Inches): 2"

TRC Alton Geoscience- Irvine

February 23, 2005

21 Technology Drive

Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 05426

Site: 8510 Gravenstein Highway Cotati

Attached is our report for your samples received on 02/08/2005 15:25

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/25/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Diesel

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/07/2005 11:16	Water	1
MW-8	02/07/2005 11:34	Water	2
OW	02/07/2005 13:25	Water	3
MW-6	02/07/2005 11:54	Water	4
MW-7	02/07/2005 13:43	Water	5
MW-2	02/07/2005 14:06	Water	6

Diesel

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-9	Lab ID:	2005-02-0297 - 1
Sampled:	02/07/2005 11:16	Extracted:	2/16/2005 05:19
Matrix:	Water	QC Batch#:	2005/02/16-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	73	50	ug/L	1.00	02/16/2005 22:42	Q2
Surrogate(s)						
o-Terphenyl	69.9	60-130	%	1.00	02/16/2005 22:42	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-8	Lab ID:	2005-02-0297 - 2
Sampled:	02/07/2005 11:34	Extracted:	2/16/2005 05:19
Matrix:	Water	QC Batch#:	2005/02/16-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/16/2005 23:37	
Surrogate(s)						
o-Terphenyl	74.2	60-130	%	1.00	02/16/2005 23:37	

Diesel

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	OW	Lab ID:	2005-02-0297 - 3
Sampled:	02/07/2005 13:25	Extracted:	2/16/2005 05:19
Matrix:	Water	QC Batch#:	2005/02/16-1B.10
Compound	Conc.	RL	Unit
Diesel	150	50	ug/L
Surrogate(s)			
o-Terphenyl	73.1	60-130	%
		1.00	02/16/2005 23:10
			Q2

Diesel

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-6	Lab ID:	2005-02-0297 - 4
Sampled:	02/07/2005 11:54	Extracted:	2/16/2005 05:19
Matrix:	Water	QC Batch#:	2005/02/16-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/16/2005 21:48	
Surrogate(s)						
o-Terphenyl	62.9	60-130	%	1.00	02/16/2005 21:48	

Diesel

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-7

Lab ID: 2005-02-0297 - 5

Sampled: 02/07/2005 13:43

Extracted: 2/16/2005 05:19

Matrix: Water

QC Batch#: 2005/02/16-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	460	50	ug/L	1.00	02/16/2005 21:21	Q2
Surrogate(s)						
o-Terphenyl	73.7	60-130	%	1.00	02/16/2005 21:21	

Diesel

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-2

Lab ID: 2005-02-0297 - 6

Sampled: 02/07/2005 14:06

Extracted: 2/16/2005 05:19

Matrix: Water

QC Batch#: 2005/02/16-1B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	310	50	ug/L	1.00	02/16/2005 14:03	Q2
Surrogate(s) o-Terphenyl	80.5	60-130	%	1.00	02/16/2005 14:03	

Diesel

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank**Water****QC Batch # 2005/02/16-1B.10**

MB: 2005/02/16-1B.10-001

Date Extracted: 02/16/2005 05:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	02/16/2005 17:17	
Surrogates(s) o-Terphenyl	78.9	50-120	%	02/16/2005 17:17	

Diesel

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike**Water****QC Batch # 2005/02/16-1B.10**

LCS 2005/02/16-1B.10-002

Extracted: 02/16/2005

Analyzed: 02/16/2005 16:51

LCSD 2005/02/16-1B.10-003

Extracted: 02/16/2005

Analyzed: 02/16/2005 17:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	766	842	1000	76.6	84.2	9.5	60-130	25		
Surrogates(s) o-Terphenyl	17.7	18.7	20	88.5	93.7		50-120			

Diesel

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Site: 8510 Gravenstein Highway Cotati

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/07/2005 11:16	Water	1
MW-8	02/07/2005 11:34	Water	2
OW	02/07/2005 13:25	Water	3
MW-6	02/07/2005 11:54	Water	4
MW-7	02/07/2005 13:43	Water	5
MW-2	02/07/2005 14:06	Water	6

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Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9	Lab ID:	2005-02-0297 - 1
Sampled:	02/07/2005 11:16	Extracted:	2/18/2005 10:23
Matrix:	Water	QC Batch#:	2005/02/18-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	1200	50	ug/L	1.00	02/18/2005 10:23	
Benzene	ND	0.50	ug/L	1.00	02/18/2005 10:23	
Toluene	ND	0.50	ug/L	1.00	02/18/2005 10:23	
Ethylbenzene	2.6	0.50	ug/L	1.00	02/18/2005 10:23	
Total xylenes	ND	1.0	ug/L	1.00	02/18/2005 10:23	
Methyl tert-butyl ether (MTBE)	7.0	0.50	ug/L	1.00	02/18/2005 10:23	
Surrogate(s)						
1,2-Dichloroethane-d4	105.9	73-130	%	1.00	02/18/2005 10:23	
Toluene-d8	102.0	81-114	%	1.00	02/18/2005 10:23	

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-8	Lab ID:	2005-02-0297 - 2
Sampled:	02/07/2005 11:34	Extracted:	2/18/2005 10:46
Matrix:	Water	QC Batch#:	2005/02/18-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/18/2005 10:46	
Benzene	ND	0.50	ug/L	1.00	02/18/2005 10:46	
Toluene	ND	0.50	ug/L	1.00	02/18/2005 10:46	
Ethylbenzene	ND	0.50	ug/L	1.00	02/18/2005 10:46	
Total xylenes	ND	1.0	ug/L	1.00	02/18/2005 10:46	
Methyl tert-butyl ether (MTBE)	85	0.50	ug/L	1.00	02/18/2005 10:46	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	108.8	73-130	%	1.00	02/18/2005 10:46	
Toluene-d8	105.1	81-114	%	1.00	02/18/2005 10:46	

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	5030B	Test(s):	8260B
Sample ID:	OW	Lab ID:	2005-02-0297 - 3
Sampled:	02/07/2005 13:25	Extracted:	2/18/2005 14:31
Matrix:	Water	QC Batch#:	2005/02/18-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	1100	50	ug/L	1.00	02/18/2005 14:31	
Benzene	93	0.50	ug/L	1.00	02/18/2005 14:31	
Toluene	4.2	0.50	ug/L	1.00	02/18/2005 14:31	
Ethylbenzene	5.3	0.50	ug/L	1.00	02/18/2005 14:31	
Total xylenes	21	1.0	ug/L	1.00	02/18/2005 14:31	
Methyl tert-butyl ether (MTBE)	120	0.50	ug/L	1.00	02/18/2005 14:31	
Surrogate(s)						
1,2-Dichloroethane-d4	112.5	73-130	%	1.00	02/18/2005 14:31	
Toluene-d8	99.6	81-114	%	1.00	02/18/2005 14:31	

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-6	Lab ID:	2005-02-0297 - 4
Sampled:	02/07/2005 11:54	Extracted:	2/18/2005 14:54
Matrix:	Water	QC Batch#:	2005/02/18-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	140	50	ug/L	1.00	02/18/2005 14:54	Q1
Benzene	ND	0.50	ug/L	1.00	02/18/2005 14:54	
Toluene	ND	0.50	ug/L	1.00	02/18/2005 14:54	
Ethylbenzene	ND	0.50	ug/L	1.00	02/18/2005 14:54	
Total xylenes	ND	1.0	ug/L	1.00	02/18/2005 14:54	
Methyl tert-butyl ether (MTBE)	27	0.50	ug/L	1.00	02/18/2005 14:54	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	116.2	73-130	%	1.00	02/18/2005 14:54	
Toluene-d8	102.9	81-114	%	1.00	02/18/2005 14:54	

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7	Lab ID:	2005-02-0297 - 5
Sampled:	02/07/2005 13:43	Extracted:	2/18/2005 15:17 2/20/2005 17:26
Matrix:	Water	QC Batch#:	2005/02/18-1B.66 2005/02/20-1A.07

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	4700	100	ug/L	2.00	02/18/2005 15:17	
Benzene	57	0.50	ug/L	1.00	02/20/2005 17:26	
Toluene	ND	0.50	ug/L	1.00	02/20/2005 17:26	
Ethylbenzene	63	0.50	ug/L	1.00	02/20/2005 17:26	
Total xylenes	31	1.0	ug/L	1.00	02/20/2005 17:26	
Methyl tert-butyl ether (MTBE)	250	1.0	ug/L	2.00	02/18/2005 15:17	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	111.5	73-130	%	1.00	02/20/2005 17:26	
1,2-Dichloroethane-d4	109.6	73-130	%	2.00	02/15/2005 15:17	
Toluene-d8	100.7	81-114	%	1.00	02/20/2005 17:26	
Toluene-d8	100.2	81-114	%	2.00	02/18/2005 15:17	

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-2 Lab ID: 2005-02-0297 - 6
Sampled: 02/07/2005 14:06 Extracted: 2/20/2005 13:05
Matrix: Water QC Batch#: 2005/02/20-1A.68
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	2500	100	ug/L	2.00	02/20/2005 13:05	
Benzene	390	1.0	ug/L	2.00	02/20/2005 13:05	
Toluene	4.3	1.0	ug/L	2.00	02/20/2005 13:05	
Ethylbenzene	17	1.0	ug/L	2.00	02/20/2005 13:05	
Total xylenes	100	2.0	ug/L	2.00	02/20/2005 13:05	
Methyl tert-butyl ether (MTBE)	65	1.0	ug/L	2.00	02/20/2005 13:05	
Surrogate(s)						
1,2-Dichloroethane-d4	113.9	73-130	%	2.00	02/20/2005 13:05	
Toluene-d8	105.1	81-114	%	2.00	02/20/2005 13:05	

Gas/BTEX/MTBE by 8260B

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Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/02/18-1B.66

MB: 2005/02/18-1B.66-032

Date Extracted: 02/18/2005 07:38

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	02/18/2005 07:38	
Benzene	ND	0.5	ug/L	02/18/2005 07:38	
Toluene	ND	0.5	ug/L	02/18/2005 07:38	
Ethylbenzene	ND	0.5	ug/L	02/18/2005 07:38	
Total xylenes	ND	1.0	ug/L	02/18/2005 07:38	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/18/2005 07:38	
Surrogates(s)					
1,2-Dichloroethane-d4	104.8	73-130	%	02/18/2005 07:38	
Toluene-d8	105.6	81-114	%	02/18/2005 07:38	

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/02/20-1A.07

MB: 2005/02/20-1A.07-003

Date Extracted: 02/20/2005 13:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	02/20/2005 13:21	
Toluene	ND	0.5	ug/L	02/20/2005 13:21	
Ethylbenzene	ND	0.5	ug/L	02/20/2005 13:21	
Total xylenes	ND	1.0	ug/L	02/20/2005 13:21	
Surrogates(s)					
1,2-Dichloroethane-d4	88.6	73-130	%	02/20/2005 13:21	
Toluene-d8	96.8	81-114	%	02/20/2005 13:21	

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank**Water****QC Batch # 2005/02/20-1A.68**

MB: 2005/02/20-1A.68-015

Date Extracted: 02/20/2005 12:15

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	02/20/2005 12:15	
Benzene	ND	0.5	ug/L	02/20/2005 12:15	
Toluene	ND	0.5	ug/L	02/20/2005 12:15	
Ethylbenzene	ND	0.5	ug/L	02/20/2005 12:15	
Total xylenes	ND	1.0	ug/L	02/20/2005 12:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/20/2005 12:15	
Surrogates(s)					
1,2-Dichloroethane-d4	112.4	73-130	%	02/20/2005 12:15	
Toluene-d8	106.2	81-114	%	02/20/2005 12:15	

Gas/BTEX/MTBE by 8260B

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/02/18-1B.66**

LCS 2005/02/18-1B.66-007
LCSD

Extracted: 02/18/2005

Analyzed: 02/18/2005 08:07

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.6		25	82.4		65-165	20			
Benzene	20.9		25	83.6		69-129	20			
Toluene	27.0		25	108.0		70-130	20			
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	491		500	98.2		73-130				
Toluene-d8	527		500	105.4		81-114				

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/20-1A.07

LCS 2005/02/20-1A.07-002

Extracted: 02/20/2005

Analyzed: 02/20/2005 12:50

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	17.8		25	71.2			69-129	20		
Toluene	20.2		25	80.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	485		500	97.0			73-130			
Toluene-d8	489		500	97.8			81-114			

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/02/20-1A.68**

LCS 2005/02/20-1A.68-057

Extracted: 02/20/2005

Analyzed: 02/20/2005 11:57

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.3		25	89.2			65-165	20		
Benzene	21.4		25	85.6			69-129	20		
Toluene	22.8		25	91.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489		500	97.8			73-130			
Toluene-d8	526		500	105.2			81-114			

Gas/BTEX/MTBE by 8260B

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/18-1B.66

MW-8 >> MS

Lab ID: 2005-02-0297 - 002

MS: 2005/02/18-1B.66-008

Extracted: 02/18/2005

Analyzed: 02/18/2005 11:08

MSD: 2005/02/18-1B.66-031

Extracted: 02/18/2005

Dilution: 1.00

Analyzed: 02/18/2005 11:31

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	99.2	107	85.1	25	56.4	87.6	43.3	65-165	20	M5	R1
Benzene	20.8	20.4	ND	25	83.2	81.6	1.9	69-129	20		
Toluene	23.8	23.8	ND	25	95.2	95.2	0.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	537	519		500	107.4	103.8		73-130			
Toluene-d8	514	502		500	102.9	100.5		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/22/2005 16:54

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

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Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/20-1A.07

MS/MSD

Lab ID: 2005-02-0339 - 006

MS: 2005/02/20-1A.07-005

Extracted: 02/20/2005

Analyzed: 02/20/2005 15:22

MSD: 2005/02/20-1A.07-006

Extracted: 02/20/2005

Dilution: 1.00

Analyzed: 02/20/2005 15:53

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	24.9	24.6	ND	25	99.6	98.4	1.2	69-129	20		
Toluene	25.1	25.4	ND	25	100.4	101.6	1.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	524		500	105.4	104.8		73-130			
Toluene-d8	483	492		500	96.6	98.4		81-114			

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02/22/2005 16:54

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 02/08/2005 15:25

Site: 8510 Gravenstein Highway Cotati

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/20-1A.68

MS/MSD

Lab ID: 2005-02-0327 - 001

MS: 2005/02/20-1A.68-041

Extracted: 02/20/2005

Analyzed: 02/20/2005 15:41

MSD: 2005/02/20-1A.68-058

Extracted: 02/20/2005

Dilution: 1.00

Analyzed: 02/20/2005 15:58

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.1	21.3	ND	25	100.8	85.2	16.8	65-165	20		
Benzene	100	92.4	69.2	25	123.2	92.8	28.1	69-129	20		
Toluene	27.5	24.8	1.22	25	105.1	94.3	10.8	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	491	471		500	98.2	94.2		73-130			
Toluene-d8	517	511		500	103.4	102.2		81-114			

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Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present
in the sample.

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

STL San Francisco

Sample Receipt Checklist**Submission #:2005-02 - 0297**Checklist completed by: (initials) JDL Date: 2/11/05Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Yes No Not Present

Chain of custody present?

Yes No

Chain of custody signed when relinquished and received?

Yes No

Chain of custody agrees with sample labels?

Yes No

Samples in proper container/bottle?

Yes No

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No

All samples received within holding time?

Yes No Container/Temp: Blank temperature in compliance (4° C - 12° C)? Container Temp: 22°C Yes No Potential reason for > 6°C - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes Sampled < 4hr ago? Ice not required (e.g. air or bulk sample) Ice Present: Yes No

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No pH adjusted - Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:**Project Management [Routing for instruction of indicated discrepancy(ies)]**

Project Manager: (initials) _____ Date: _____ / _____ /05

Client contacted: Yes NoSummary of discussion:Corrective Action (per PM/Client):

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.